



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
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August 20, 1993

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Gentlemen:

Enclosed are Applications for Permit to drill the following wells:

Balcron Monument Federal #42-1J
SE NE Section 1, T9S, R16E
Duchesne County, Utah
FLS #U-40652

Balcron Monument Federal #31-7J
NW NE Section 7, T9S, R17E
Duchesne County, Utah
FLS #U-44426

Balcron Monument Federal #21-12J
NE NW Section 12, T9S, R16E
Duchesne County, Utah
FLS #U-096550

The archeological and paleontological reports will be submitted as soon as they are received.

As operator, we hereby request that the status of these wells be held tight for the maximum period allowed by State regulations.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

RECEIVED

AUG 23 1993

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				5. Lease Designation and Serial No. Federal #U-096550	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				6. If Indian, Allottee or Tribe Name n/a	
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>				7. Unit Agreement Name Jonah Unit	
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division				8. Farm or Lease Name Balcron Monument Federal	
3. Address of Operator P.O. Box 21017; Billings, MT 59104				9. Well No. 21-12 J	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 661.4' FNL, 1779.8' FWL At proposed prod. zone				10. Field and Pool, or Wildcat Monument Butte/Green River	
14. Distance in miles and direction from nearest town or post office* Approximately 16 miles SW of Myton, Utah				11. QQ, Sec., T., R., H., or Blk. and Survey or Area NE NW Sec. 12, T9S, R16E	
13. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drilg. line, if any)		16. No. of acres in lease		17. No. of acres assigned to this well	
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.		19. Proposed depth 5,800' 5,800'		20. Rotary or cable tools Rotary	
21. Elevations (Show whether DF, RT, GR, etc.) 5,448.9' GL				22. Approx. date work will start* Upon APD approval	
23. PROPOSED CASING AND CEMENTING PROGRAM					
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement	
See attached					

Operator plans to drill well in accordance with attached Federal Application for Permit to Drill.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed Robbie Schuman
Robbie Schuman

Coordinator of Environmental
and Regulatory Affairs

(This space for Federal or State office use)

API NO. 43-013-31406

Approval Date

Approved by _____
Conditions of approval, if any:

Title _____

DATE: 8/24/93

BY: [Signature]

WELL SPACING: 2609-2-3
Jonah Unit.

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

NE NW Sec. 12, T9S, R16E

661.4' FNL, 1779.8' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 16 miles SW of Myton, Utah

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

6,000' 5,800'

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,448.9' GL

22. APPROX. DATE WORK WILL START*

Upon APD Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM

"B" PROPOSED SURFACE USE PROGRAM

"C" GEOLOGIC PROGNOSIS

"D" DRILLING PROGRAM/CASING DESIGN

"E" EVIDENCE OF BOND COVERAGE

"F" SURVEY PLAT

"G" RIG LAYOUT

"H" BOPE DIAGRAM

"I" EXISTING ROADS (Map A)

"J" PLANNED ACCESS (Map B)

"K" EXISTING WELLS (Map C)

"L" CUT & FILL DIAGRAM

RECEIVED

AUG 23 1993

DIVISION OF
OIL, GAS & MINING

Please note the change in well #. This should be the #12-12J.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Bobbie Schuman

TITLE

Coordinator of Environmental
and Regulatory Affairs

DATE

8/20/93

Bobbie Schuman

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

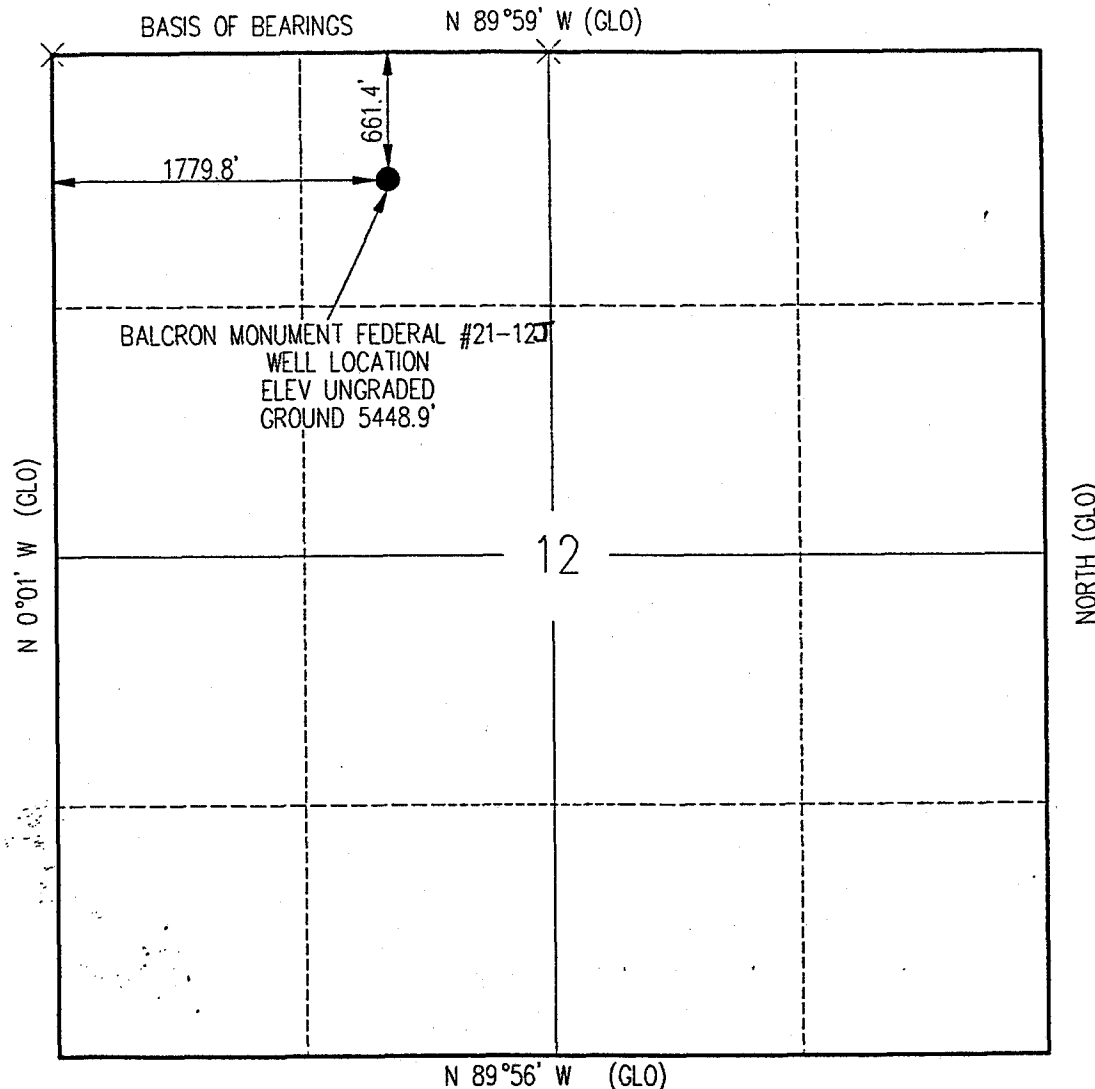
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T9S, R16E, S.L.B. & M.

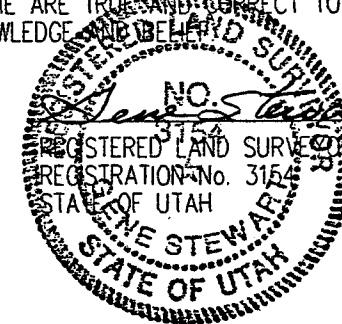
EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FEDERAL #21-12, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 12, T9S, R16E, S.L.B. & M, DUCHESNE COUNTY UTAH.

EXHIBIT "F"



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



X = SECTION CORNERS LOCATED
BASIS OF BEARINGS; G.L.O. PLAT 1911
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

WEATHER: CLEAR & HOT
DATE: 7/14/93
SCALE: 1" = 1000'
SURVEYED BY: SS ZD
FILE: MF 21-12



EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #21-125
NE NW Section 12-T9S-R16E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used; however, diagram submitted is for a 3M system. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon as possible after the BLM approves this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
BALCRON MONUMENT FEDERAL #21-12J
NE NW SECTION 12, T9S, R16E
DUCHESNE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and two reference stakes are present. 150' & 175' North and 225' & 270' East. .
- B. The Monument Federal #21-12 is located 16 miles Southwest of Myton Utah in the NE1/4 NW1/4 Section 12, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 21-12, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 9.3 miles to an intersection with the Momnument Butte gas plant road, turn right and continue 2.0 miles to road intersection. Turn left and proceed 0.2 mile. Follow flags 1000 feet to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B" (shown in GREEN)

Approximately 1000 feet of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and

will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. If a right-of-way is required please consider this APD the application for said right-of-way.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.
- 3. Production facilities will be accommodated on the

existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be

- hauled by truck over the roads described in item #1 and item #2, from a spring owned by Joe Shields, or a well owned by Owen Dale Anderson. To be determined closer to beginning drilling operations.
- B. No water well will be drilled on this location.

6. Source of Construction Materials

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.
- D. There are no trees on this location.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. Corners, #6 and #8 will be rounded to avoid excess cut. Two existing silt catchment basins located East of location will be cleaned out and will have additional material added to the dams.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit if required will be located downwind of the prevailing wind. Access will be from the East near corner #4.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
 - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
 - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced

immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. If a plastic or nylon reinforced pit liner is used, it shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources

Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the following seed mixture:

Pure Live Seed (PLS)	Seed Mix
lbs./acre	
1	Forage Kochia (<i>Kochia prostrata</i>)
3	Ephriam Crested Wheatgrass (<i>Agropyron cristatum</i> Ephriam)
2	Russian Wildrye (<i>Elymus junceus</i>)
2	Fourwing Saltbush (<i>Atriplex canescens</i>)
3	Needle-and-Thread Grass (<i>Stipa comata</i>)
1	Yellow Sweetclover (<i>Melilotus officinalis</i>)

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost.

Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
 - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.
2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management
Vernal District Office
Vernal, Utah

12. Other Information:

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 12 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in

this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
 - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 - 2. There are no occupied dwellings in the immediate area
 - 3. An archaeological report will be forwarded upon completion.
 - 4. There are no reported restrictions or reservations

noted on the oil and gas lease.

13. Lessee's or Operator's Representative:

Balcron Oil
a division of Equitable Resources Energy Company
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406)259-7860
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin,

Home (303)824-3323

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8/20/93
Date

Bobbie Schuman
Bobbie Schuman
Coordinator of Enviromental
and Regulatory Affairs
BALCRON OIL division of
Equitable Resources Energy
Company

EXHIBIT "C"

MBF #1-14

Operator GULF ENERGY

KB 5488

Section SWSW SEC 1

Township 9S

Range	16E
-------	-----

[illegible]

Wellsite Geologist

Name:

From: _____ to: _____

Address:

DST #4

Phone #	wk.
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102	3
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197	98
198	99
199	100

hm.

Cores

Core #1 NONE

Core #2

Core #3

Core #4

Fax #

Mud Logger/Hot Wire

Company:

Required: (Yes/No) YES

Type: TWO MAN

Logger:

Phone #

Fax #

Comments:

hm.

hm.

hm.

Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Balcron Federal 21-12J PROSPECT/FIELD: Jonah Unit
LOCATION: NE NW Sec.12 Twn.9S Rge.16E
COUNTY: Duchesne STATE: Utah

TOTAL DEPTH: 5800

HOLE SIZE INTERVAL

12 1/4" 0 to 260'
7 7/8" 260 to 5800'

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	5800	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and
1/4 #/Sk Flocele.
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz
mix.
(Top of cement will be 2000')

PRELIMINARY
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.

COMMENTS

1.) No cores or DST's are planned.

Operator: BALCRON OIL	Well Name: Federal 21-12J
Project ID:	Location: Jonah Unit

Design Parameters:

Mud weight (8.60 ppg) : 0.447 psi/ft
 Shut in surface pressure : 2011 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	5,800	5-1/2"	15.50	K-55	ST&C	5,800	4.825	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	2591	4040	1.559	2591	4810	1.86	89.90	222 2.47 J

Prepared by : McCoskery, Billings, MT

Date : 08-19-1993

Remarks :

Minimum segment length for the 5,800 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.447 psi/ft and 2,591 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
MONTANA STATE OFFICE
222 NORTH 32ND STREET
P.O. BOX 36800
BILLINGS, MONTANA 59107-6800

P 1 of 4

TAKE
PRIDE IN
AMERICA

IN REPLY TO:

MTM 12619-A et al
BLM BOND NO. MT0576
(922.31)

April 25, 1989

NOTICE

Equitable Resources Energy Company
P. O. Box 21017
Billings, Montana 59104

OIL AND GAS

CORPORATE MERGER RECOGNIZED
RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

Cynthia L. Embretson
Cynthia L. Embretson, Chief
Fluids Adjudication Section

1 Enclosure
1-Exhibit A

cc: (w/encl.)
AFS, Denver (1)
All DMs (1 ea.)
RMO Section (1)
Regional Forester, Lakewood (2)
Regional Forester, Missoula (2)
Bureau of Reclamation (1)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)

Other Oil and Gas Leasing Authorities as Applicable

KNOW ALL MEN BY THESE PRESENTS, That we
BALCRON OIL COMPANY
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and
SAFECO INSURANCE COMPANY OF AMERICA
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY
THOUSAND AND 00/100-----dollars (\$ 150,000.00), in lawful money
of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for
the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a
statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any
lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the
same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits
in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves,
and each of our heirs, executors, administrators, and successors, jointly and severally.

- ☐ The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States,
including Alaska, issued or acquired under the Acts cited in Schedule A.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under
the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached
hereto by the lessor with the consent of the surety.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petro-
leum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and
other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that,
whereas the said principal has an interest in oil and gas
leases issued under the Acts cited in this bond: (1) as
lessee; (2) as the approved holder of operating rights in
all or part of the lands covered by such leases under operat-
ing agreements with the lessees; or (3) as designated oper-
ator or agent under such leases pending approval of an
assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, ex-

tract, remove, and dispose of oil and gas deposits in or
under the lands covered by the leases, operating agreements
or designations and is obligated to comply with certain
covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice
to the surety the coverage of this bond, in addition to the
present holdings of the principal, shall extend to and
include:



URETY RIDER

EXHIBIT "E" Page 3 of 4
SAFECO INSURANCE COMPANY OF AMERICA
GENERAL INSURANCE COMPANY OF AMERICA
FIRST NATIONAL INSURANCE COMPANY
OF AMERICA
HOME OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM Bond No. MT0576)

dated effective 9/8/88

(MONTH, DAY, YEAR)

executed by BALCRON OIL COMPANY, as Principal,

(PRINCIPAL)

and by SAFECO INSURANCE COMPANY OF AMERICA, as Surety,

(SURETY)

In favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND

(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89

(MONTH, DAY, YEAR)

Signed and Sealed 4/10/89

(MONTH, DAY, YEAR)

EQUITABLE RESOURCES ENERGY COMPANY

PRINCIPAL

By: _____ TITLE

SAFECO INSURANCE COMPANY OF AMERICA

SURETY

By: R. George Voinchet ATTORNEY-IN-FACT



POWER OF ATTORNEY

GENERAL INSURANCE COMPANY OF AMERICA
HEAD OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185EXHIBIT "E" Page 4 of 4
3798

No. _____

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each a Washington corporation, does each hereby appoint

-----THOMAS L. VEHR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA
and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA
and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

- (i) The provisions of Article V, Section 13 of the By-Laws, and
- (ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and
- (iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

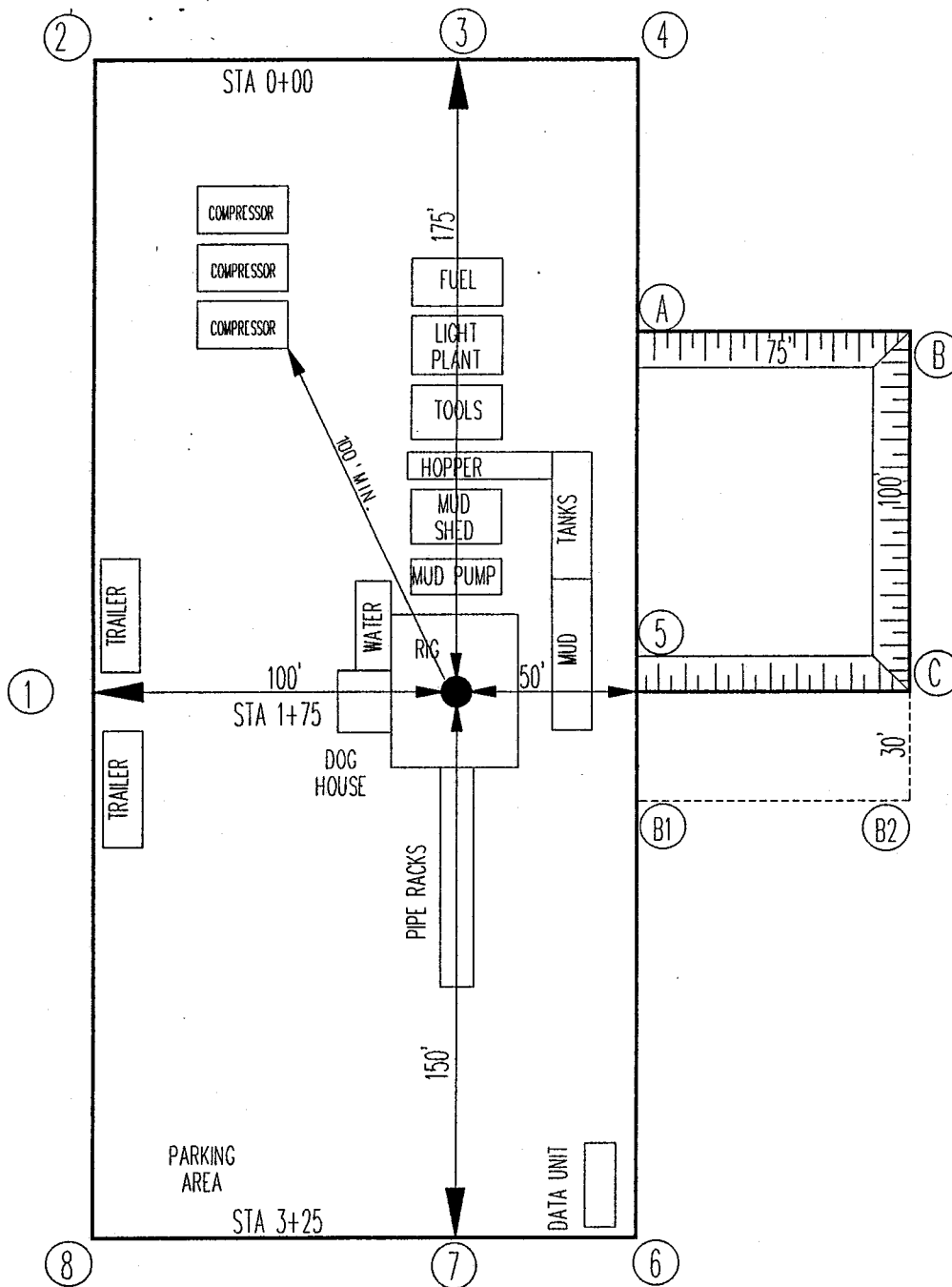
this 10th day of April, 19 89.

EQUITABLE RESOURCES ENERGY CO.

EXHIBIT "G"

BALCORN MONUMENT FEDERAL #21-12J

WELLSITE LAYOUT



TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

UNION DRILLING RIG #17

Hex Kelly

ROTATING HEAD

ADJ. CHOKE

AIR BOWL

7" FLOWLINE

#3000
BLIND RAM-PIPE RAM

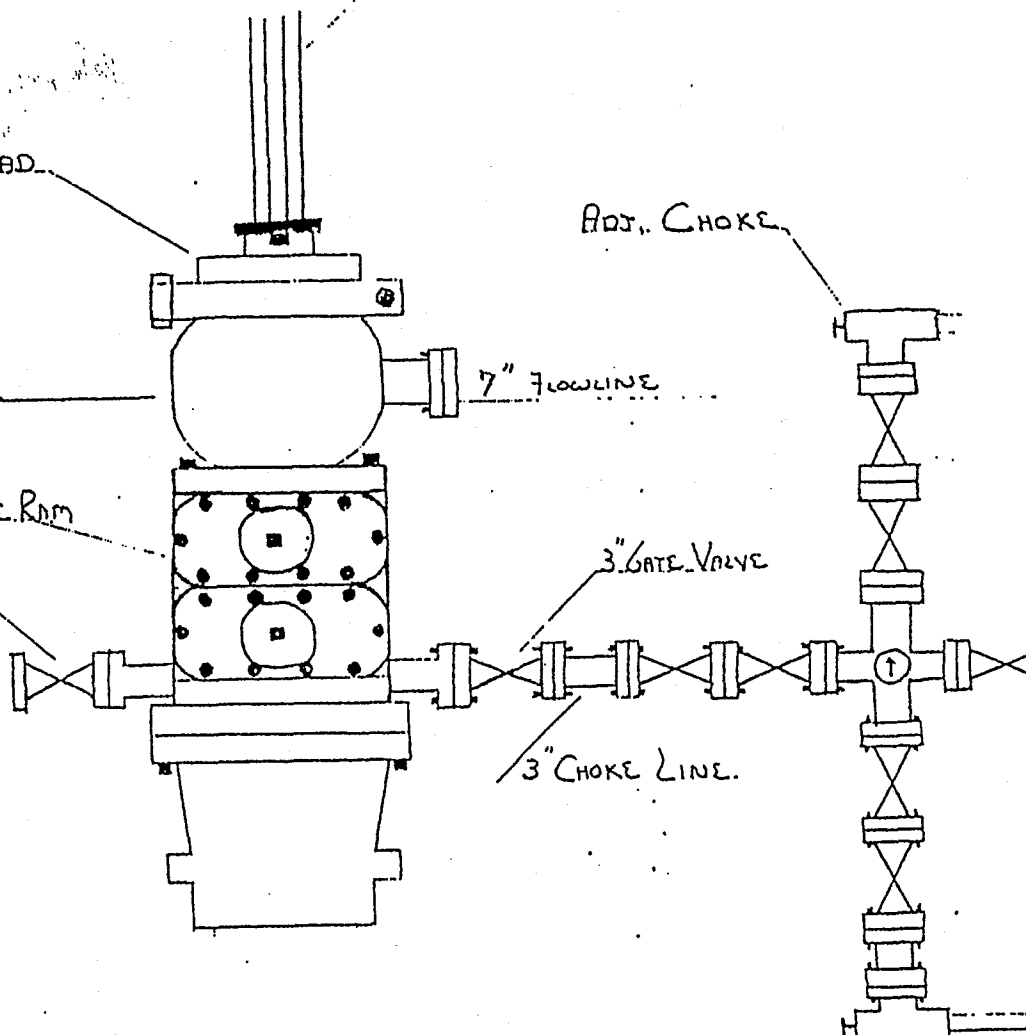
3" GATE VALVE

3" GATE VALVE

3" CHOKE LINE

ADJ. CHOKE

#3000 STACK



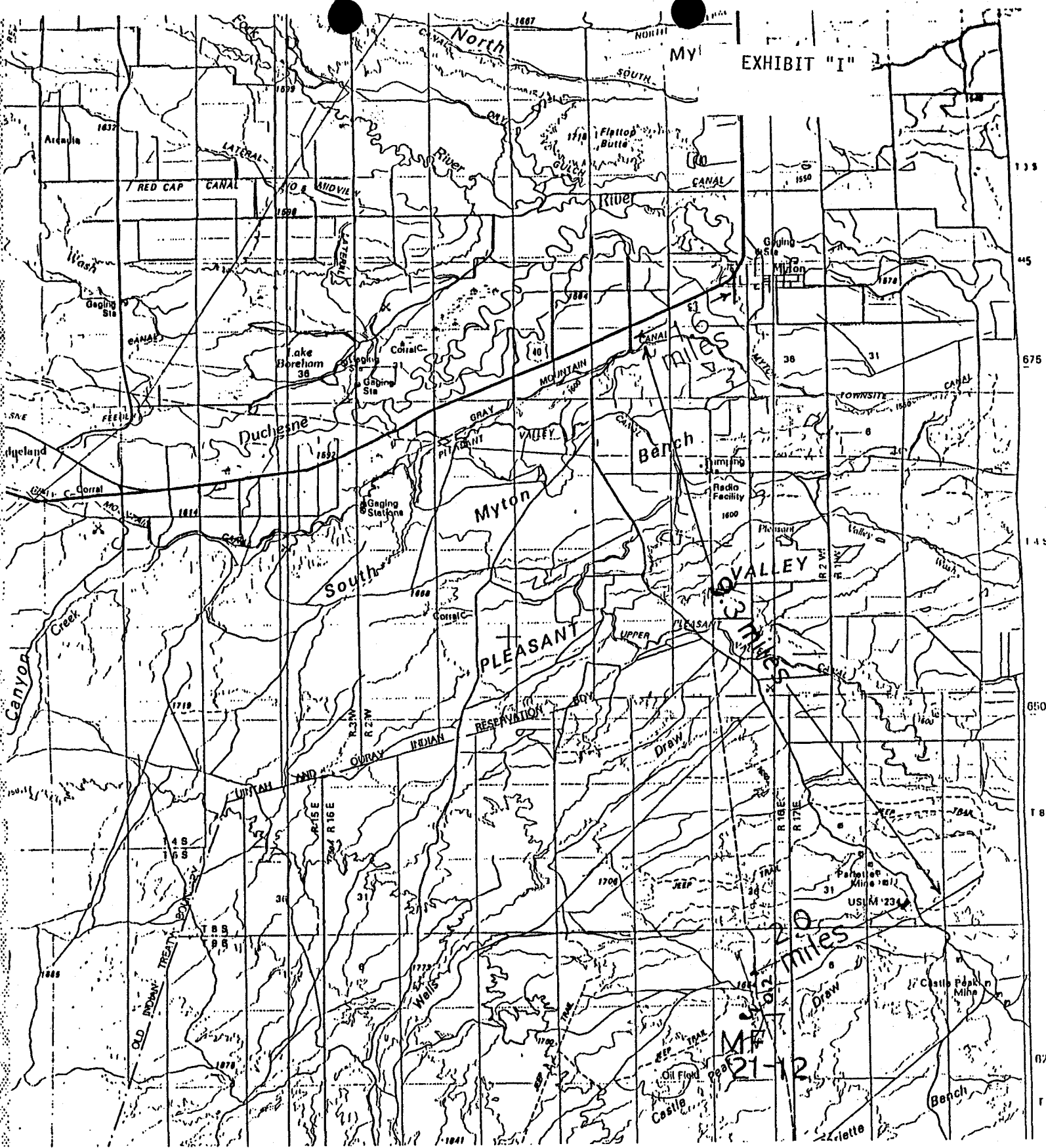
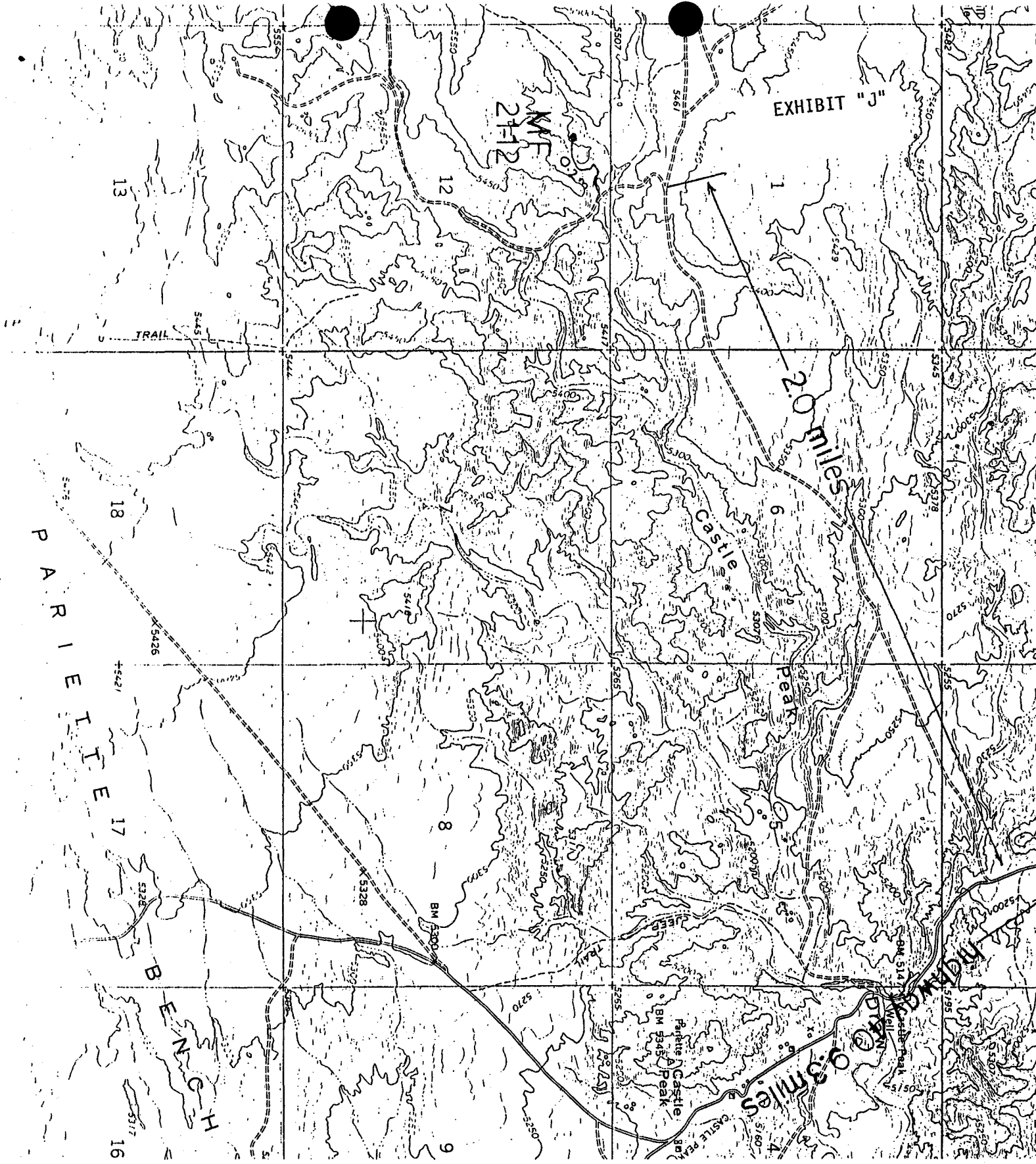


EXHIBIT "I"



EQUITABLE RESOURCES ENERGY CO.
BALCRON MONUMENT FEDERAL #21-12J
MAP "A"

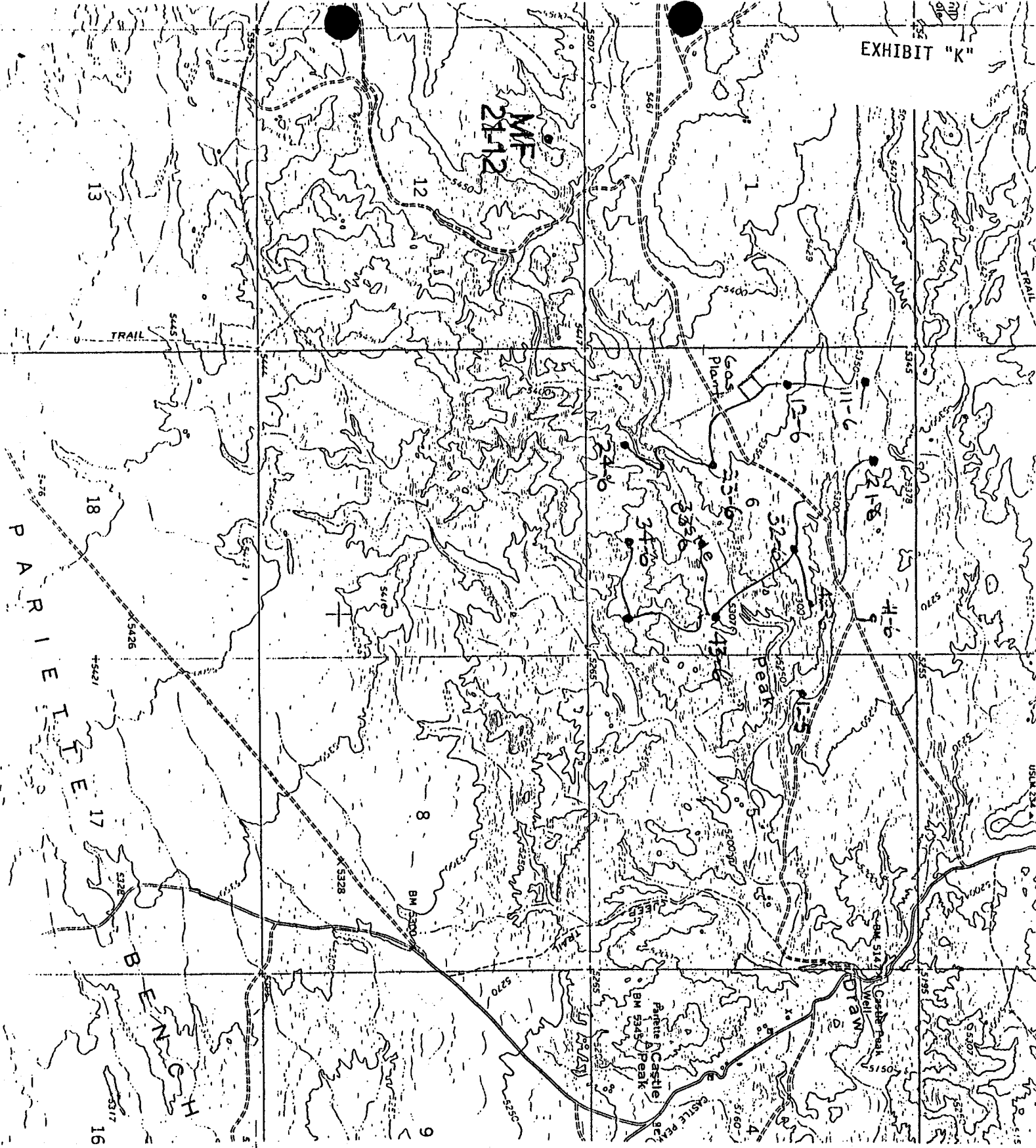




EQUITABLE RESOURCES ENERGY CO.
BALCLUTHA MONUMENT FEDERAL #21-12J
MAP "B"

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

EXHIBIT "K"

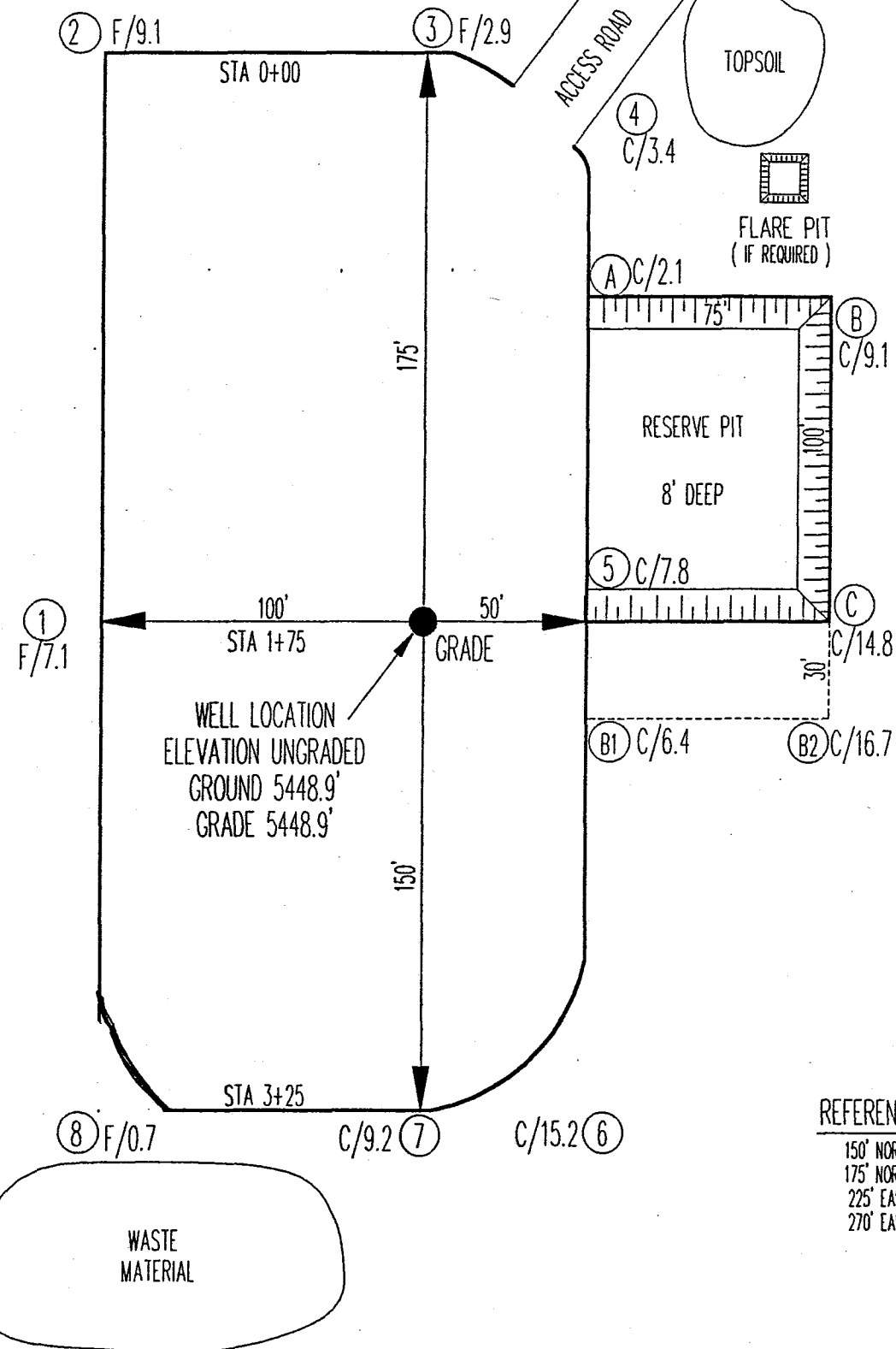


EQUITABLE RESOURCES ENERGY CO.
BALCLUTHA MONUMENT FEDERAL #21-12J
MAP "C"

TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

EQUITABLE RESOURCES ENERGY CO.

BALCRON MONUMENT FEDERAL #21-12J

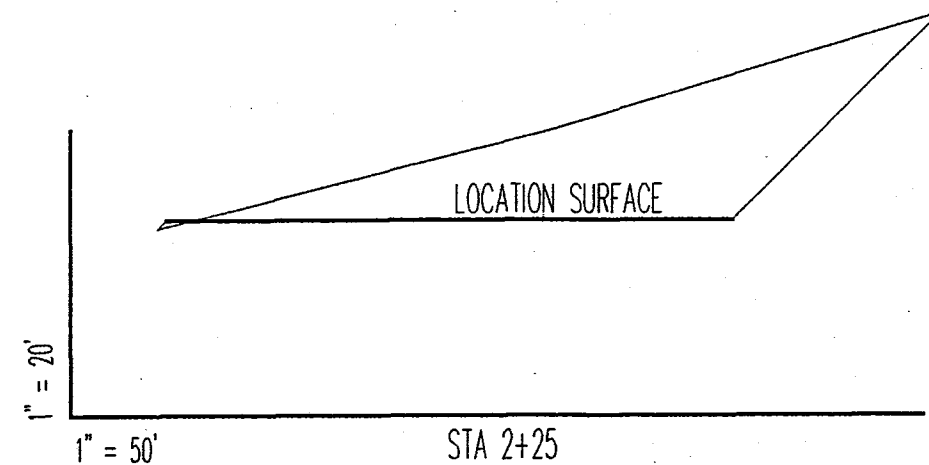
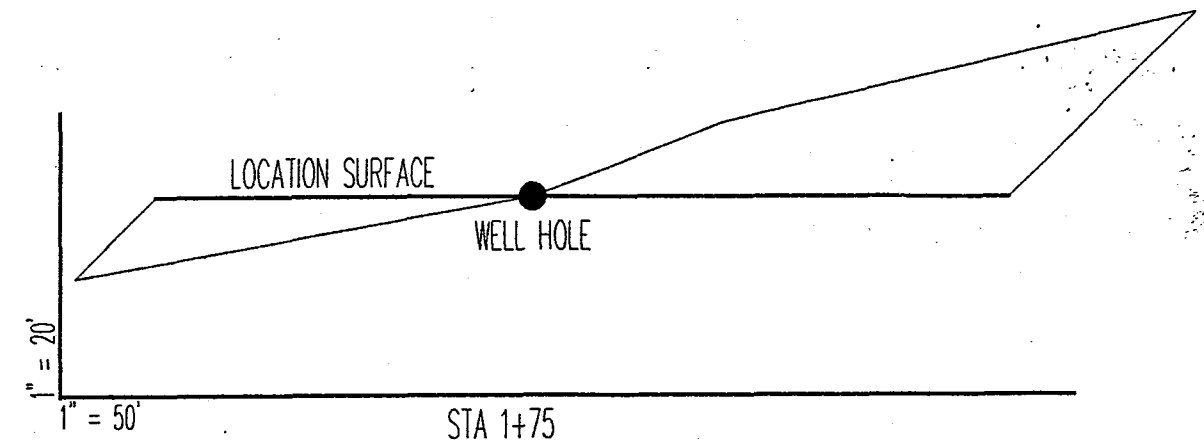
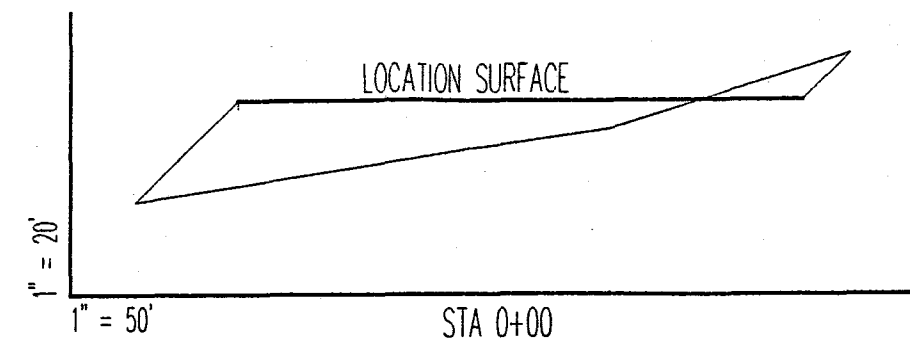
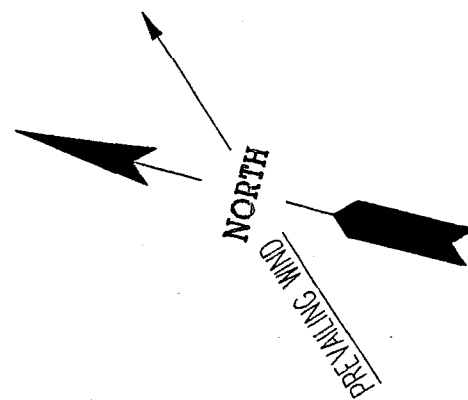


REFERENCE POINTS

150' NORTH 5434.6'
175' NORTH 5430.8'
225' EAST 5454.0'
270' EAST 5463.6'

APPROXIMATE YARDAGE

CUT = 8452 Cu Yds
FILL = 3980 Cu Yds
PIT = 2222 Cu Yds
YARDAGE GOVERNED BY LOCATION STAKE
CAN'T BALANCE DIRT WITHOUT PUTTING
RIG ON FILL.



TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 08/23/93

OPERATOR: EQUITABLE RESOURCES

OPERATOR ACCT NO: N- 9890

WELL NAME: BALCRON MONUMENT FED 21-12J

API NO. ASSIGNED: 13 - 013- 31406

LEASE TYPE: FED

LEASE NO: U-096550

LOCATION: NENW 12 - T09S - R16E

DUCHESNE COUNTY

FIELD: MONUMENT BUTTE (105)

FIELD CODE: 105

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond
(Number 1)
☒ Potash (Y/N) N
☒ Oil shale (Y/N) N
☒ Water permit
(Number new water permit #)
☒ RDCC Review (Y/N) N
(Date: _____)

LOCATION AND SITING:

☒ R649-2-3. Unit: Teach
☐ R649-3-2. General.
☐ R649-3-3. Exception.
☐ Drilling Unit.
Board Cause no: _____
Date: _____

COMMENTS:

Included in supplemental POD eff 8-4-93

STIPULATIONS:

Water Permit
cc: Duchesne assessor

CONFIDENTIAL
PERIOD
EXPIRED
ON 12-03-94



Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 25, 1993

Equitable Resources Energy Company
P.O. Box 21017
Billings, Montana 59104

Gentlemen:

Re: Balcron Monument Federal 21-12J Well, 661' FNL, 1780' FWL, NE NW, Sec. 12, T. 9 S., R. 16 E., Duchesne County, Utah

Pursuant to Utah Code Ann. § 40-6-18, (1953, as amended), Utah Admin. R. 649-2-3, Application of Rules to Unit Agreements and R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after commencing drilling operations.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.



Page 2
Equitable Resources Energy Company
Balcron Monument Federal 21-12J Well
August 25, 1993

6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31406.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

Idc
Enclosures
cc: Bureau of Land Management
Duchesne County Assessor
J.L. Thompson
WO11

U.S. Department of the Interior
Bureau of Land Management
Utah State Office
(AERC FORMAT)

Authorization No. U.9.3.A.F.4.4.6.b.

Report Acceptable Yes ___ No ___

Mitigation Acceptable Yes ___ No ___

Summary Report of
Inspection for Cultural Resources

Comments: _____

SEVEN WELL LOCATIONS IN THE

MONUMENT BUTTES LOCALITY

1. Report Title

Balcron Oil Company (BLCR-93-4)

2. Development Company _____

3. Report Date 08 27 1993 4. Antiquities Permit No. UT-92-54937

5. Responsible Institution AERC BLCR 93-4 Date
County _____

6. Fieldwork 9 S 17 E 07
Location: TWN RNG Section. . . | . . | . . |
7. Resource 9 S 16 E 01 04 12
Area TWN RNG Section. . . | . . | . . | . . |
. S M.

8. Description of Examination Procedures: The archeologist, Glade V Hadden intensively examined the proposed well locations by walking a series of 10 to 20 meter-wide transects across the ten acre study areas associated with each well pad and by walking paired 10 to 20 meter transects in a 100 foot-wide corridor centered on the flagged center-line stakes for each access route.

9. Linear Miles Surveyed 10. Inventory Type . . .
and/or I
Definable Acres Surveyed R = Reconnaissance
and/or I = Intensive
Legally Undefinable 79.86 S = Statistical Sample
Acres Surveyed

11. Description of Findings: No significant or non-significant archaeological sites were identified or recorded during this survey. Three sets of isolated artifacts were observed, of which one was collected.
12. Number Sites Found .0. (No sites = 0)
13. Collection: .Y. Y = Yes, N = No

14. Actual/Potential National Register Properties Affected: The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 8-23-93 Vernal BLM 8-25-93

16. Conclusion/ Recommendations: AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for this proposed development based on the following stipulations:
(see reverse)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the existing roadways and/or evaluated access routes.

2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

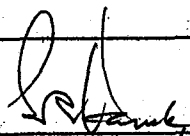
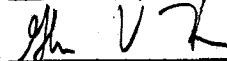
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

17. Signature of Administrator
& Field Supervisor

UT 8100-3 (2/85)

Administrator

Field
Supervisor



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

September 2, 1993

RECEIVED

SEP 03 1993

**DIVISION OF
OIL, GAS & MINING**

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

Enclosed are archeology reports which are to be added as part of our Applications for Permit to Drill the wells on the attached list.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

MONUMENT BUTTE DRILLING PROGRAM

SIXTH BATCH

=====

Balcron Federal #24-4Y

SE SW Section 4, T9S, R16E
Duchesne County, Utah
710' FSL, 2031' FWL
FLS #U-64379
PTD: 6,175'
GL 5,714.3'

Balcron Monument Federal #12-12J

SW NW Section 12, T9S, R16E
Duchesne County, Utah
1980' FNL, 660' FWL
FLS #U-096550
PTD: 5,800'
GL 5,542.8'

Balcron Monument Federal #14-12J

SW SW Section 12, T9S, R16E
Duchesne County, Utah
660' FSL, 660' FWL
FLS #U-035521-A
PTD: 5,750'
GL 5,487.5'

Balcron Monument Federal #24-12J

SE SW Section 12, T9S, R16E
Duchesne County, Utah
539' FSL, 1777' FWL
FLS #U-035521-A
PTD: 5,700'
GL 5,495.5'

Balcron Monument Federal #42-1J

SE NE Section 1, T9S, R16E
Duchesne County, Utah
2087.2' FNL, 692.4' FEL
FLS #U-40652
PTD: 5,850'
GL 5,380.3'

43-013-31404

Balcron Monument Federal #21-12J

NE NW Section 12, T9S, R16E
Duchesne County, Utah
661.4' FNL, 1779.8' FWL
FLS #U-096550
PTD: 5,800'
GL 5,448.9'

43-013-31405
CONFIDENTIAL

Balcron Monument Federal #31-7J

NW NE Section 7, T9S, R17E
Duchesne County, Utah
831.18' FNL, 1782.38' FEL
FLS #U-44426
PTD: 5,700'
GL 5,298.5'

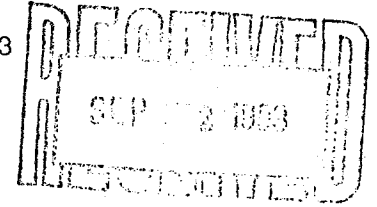
43-013-31405



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853
Tel: (801) 292-7061, 292-9668

August 27, 1993



Subject:

**CULTURAL RESOURCE EVALUATION OF SEVEN
PROPOSED WELL LOCATIONS IN THE MONUMENT
BUTTES LOCALITY OF DUCHESNE COUNTY, UTAH**

Project:

Balcron Oil -- 1993 Development

Project No.:

BLCR-93-4

Permit No.:

Dept. of Interior -- UT-93-54937



SEP 03 1993

**DIVISION OF
OIL, GAS & MINING**

State Project No: UT-93-AF-446b

To:

Ms. Bobbi Schuman, Balcron Oil Division, P.O. Box 21017, Billings, Montana
59104

Mr. David Little, District Manager, Bureau of Land Management, 170 South 500
East, Vernal, Utah 84078

Info:

Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City,
Utah 84101

**CULTURAL RESOURCE EVALUATION
OF SEVEN PROPOSED WELL LOCATIONS
IN THE MONUMENT BUTTES
LOCALITY OF DUCHESNE COUNTY, UTAH**

Report Prepared for Balcron Oil Company

Dept. of Interior Permit No.: UT-93-54937
AERC Project 1395 (BLCR-93-4)

Utah State Project No.: UT-93-AF-446b

Principal Investigator
F. Richard Hauck, Ph.D.

Author of the Report
Glade V Hadden



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

181 North 200 West, Suite 5
P.O. Box 853
Bountiful, Utah 84011-0853

August 27, 1993

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of seven proposed well locations situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah. This evaluation involved a total of 79.86 acres, of which 9.86 acres (.8 miles) include five separate access roads associated with units MF 42-1, MF 21-12, 14-12J, 24-12J and 24-4Y. The remaining 70 acres involve 10 acre parcels at all seven of the proposed well locations. These evaluations were conducted by Glade Hadden of AERC on August 25 and 26, 1993.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified cultural resource activity loci were discovered during the examinations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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GENERAL INFORMATION

On August 25 and 26, 1993, AERC archaeologist Glade Hadden conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved seven proposed well locations and associated access routes located in the Monument Buttes area south of Myton, Utah. Some .8 miles of access routes (9.86 acres) and seven - 10 acre well pads were examined. This project is situated in the Monument Buttes locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed developments on these well locations require archaeological evaluations in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

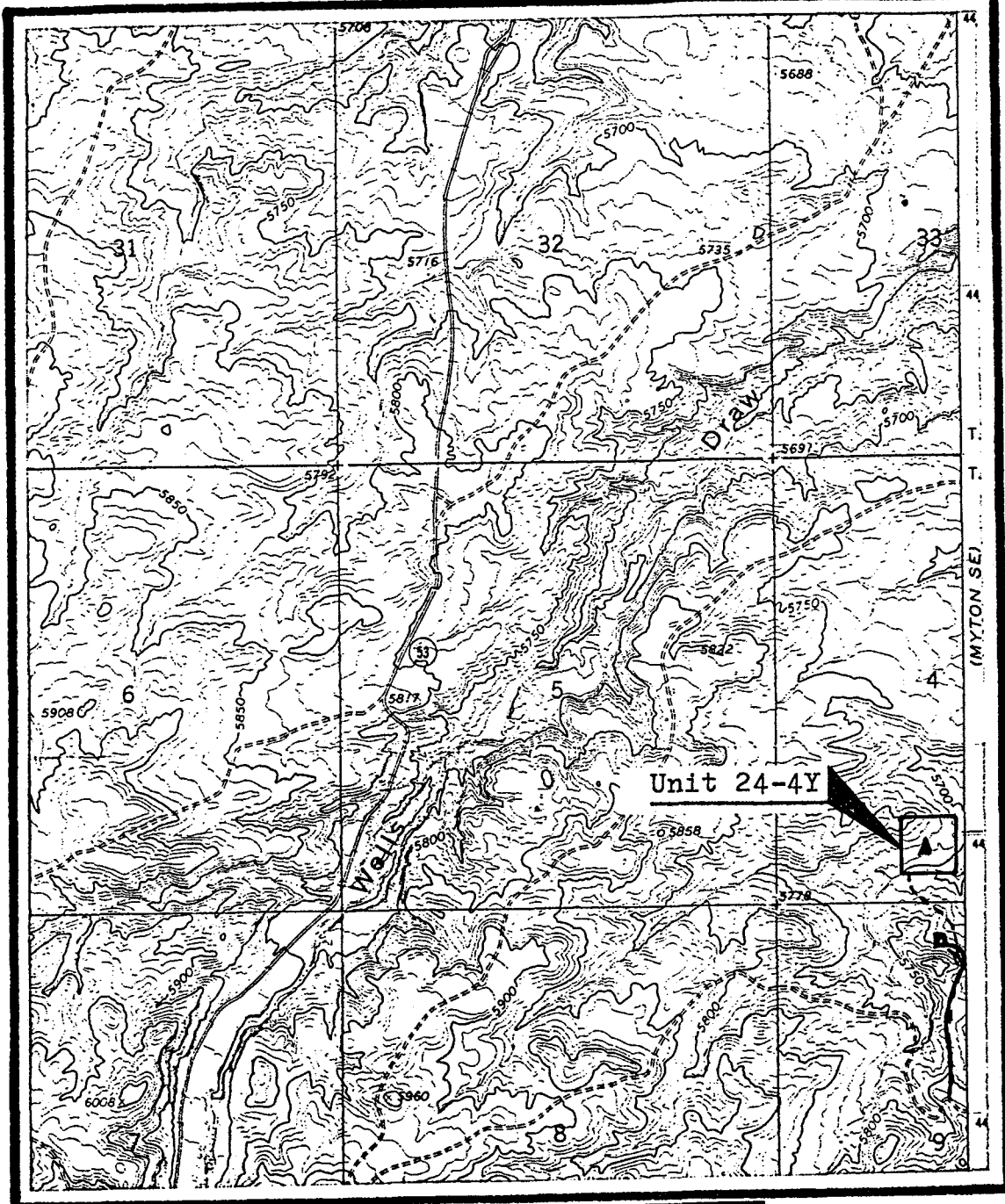
Project Location

The project location is in the Monument Buttes locality of Duchesne County, Utah. It is situated on the Myton SE and Myton SW 7.5 minute topographic quads.

Unit 24-4Y is situated in the SE - SW quarter of Section 4, Township 9 South, Range 16 East. Its access route extends ca. .25 mi. north from an existing well location (Balcron Unit 21-9Y) (See Map 1).

Unit 12-12J is in the SW - NW quarter of Section 12, Township 9 South, Range 16 East. This unit is accessible via an existing road which extends westerly from the main Monument Buttes road (See Map 2). The well location is directly adjacent this road, so no separate access route is necessary.

AERK



T. 9 South
R. 16 East
Meridian: SL
Quad: Myton SW
Utah

MAP 1
Cultural Resource Inventory
of Proposed Well Unit
24-4Y in the Monument
Buttes Locality, Duchesne C.

Legend:
Well Center Stake ▲
10 Acre Well Pad □
Access Route - - -
Existing Road —

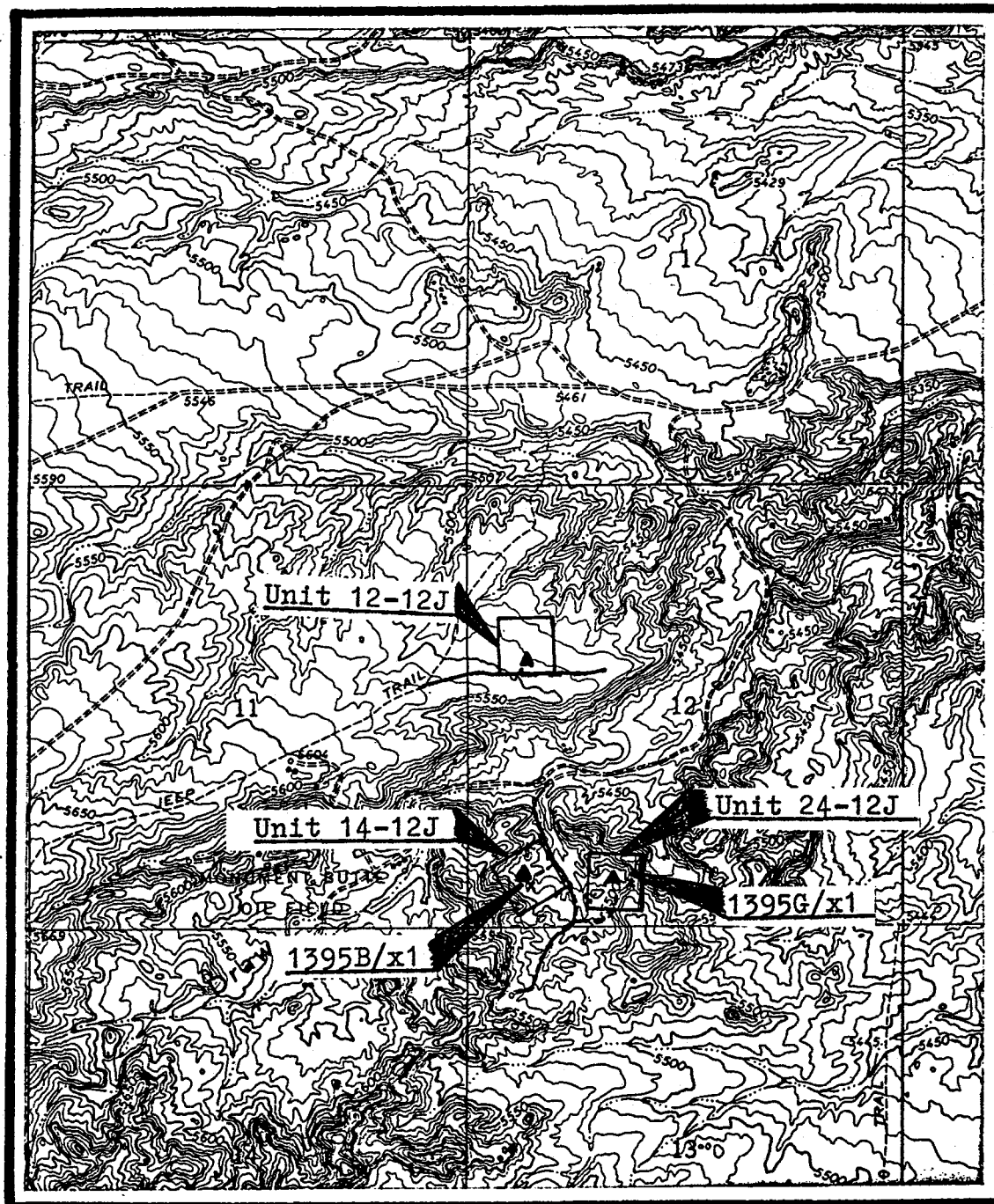


Project: BLCR-93-4
Series: Uinta Basin
Date: 8/30/93

Scale: 1:24,000



ACR



T. 9 South
R. 16 East
Meridian: SL
Quad: Myton SE
Utah

MAP 2
Cultural Resource Inventory
of Proposed Well Units
12-12J, 14-12J and 24-12J
Monument Buttes Locality

Legend:
Well Center Stake ▲

10 Acre Well Pad □

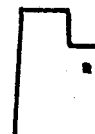
Access Route /

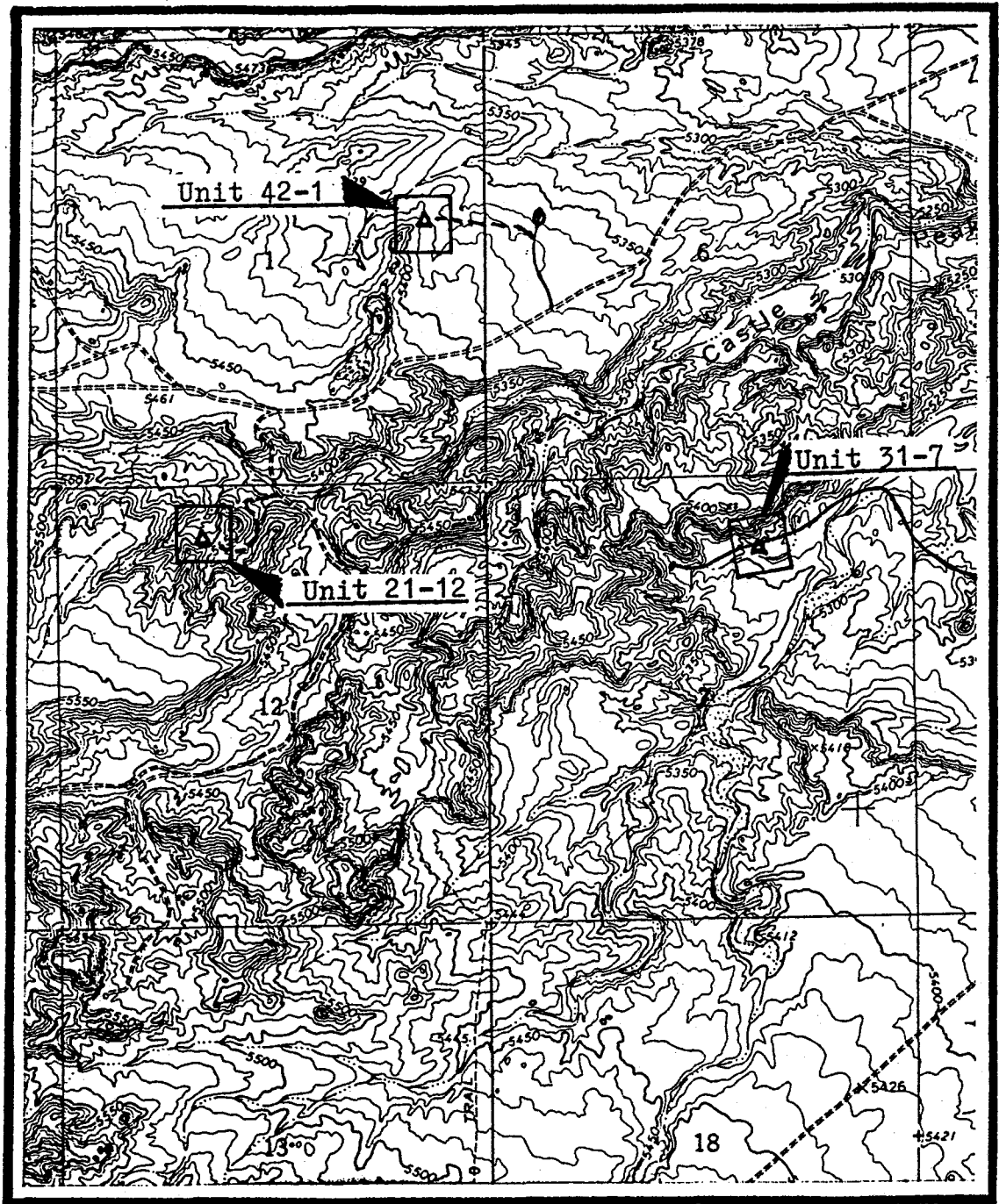
Existing Road }

Isolated Artifact X

4
N

Project: BLCR-93-4
Series: Uinta Basin
Date: 8/30/93
Scale: 1:24,000





T. 9 South
R. 16 / 17 East
Meridian: SL
Quad: Myton SE
Utah

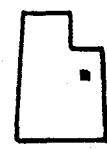
MAP 3
Cultural Resource Inventory
of Proposed Well Units
42-1, 31-7 and 21-12 in the
Monument Buttes Locality

Legend:
Well Center Stake
10 Acre Well Pad
Access Route
Existing Road

4
N

Project: BICR-93-4
Series: Uinta Basin
Date: 8/30/93

Scale: 1:24,000



Unit 14-12J is located in the SW - SW of the previous section (Section 12). This unit is reached via an existing road which runs south from the Castle Peak Draw / Monument Buttes Oil Field access road (See Map 2). A ca. 200 foot-long access route leads west from the spur road to the well location.

Unit 24-12J is situated in the SE - SW of the previous section (Sec. 12) along the same spur road which serves the previous unit (See Map. 2). A ca. 400 foot access route leads northeasterly into this location.

Unit 42-1 is in the SE - NE quarter of Section 1 in the same township and range. This unit may be reached from a spur road leading north past the Balcron Plant in section one, just off the main Monument Buttes access road. From an existing well, the access route for this unit extends ca. .2 mi. to the west (See Map 3).

Unit 31-7 is located in the NW - NE quarter of Section 7, Township 9 South, Range 17 East. This unit lies directly adjacent to an existing road which runs northwesterly from the main Pariette Bench road located in Section 8 (See Map 3).

Unit 21-12 is situated in the NE - NW quarter of Section 12, Township 9 South, Range 16 East. From the Castle Peak Draw / Monument Buttes Oil Field road, a ca. .25 mi. access route runs west to connect with the well location (See Map 3).

Environmental Description:

The project area is within the 5400 to 5600 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus spp.*, *Artemisia spp.*, *Eriogonum spp.*, *Sarcobatus vermiculatus*, *Ephedra viridis*, *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on August 23, 1993. A similar search was conducted in the Vernal District Office of the BLM on August 25, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking a series of 10 to 15 meter wide transects over a ten acre pad around each well location center stake. In addition, each access route was inventoried by the archaeologist walking a pair of 10 - 15 meter transects on each side of the flagged access route. Thus, a 35 meter-wide or 100 foot-wide corridor (ca. 9.86 acres) was examined for the total ca. .8 mile length of proposed access routes.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory:

No prehistoric cultural resource activity loci were observed or recorded during the archaeological evaluations. No diagnostic tools or buried deposits were found within this site.

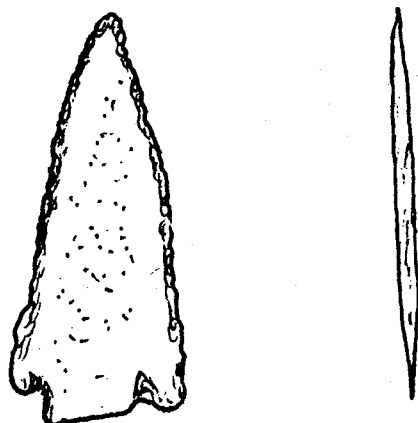
No previously recorded sites are located within the proposed development zones.

No significant or National Register sites were noted or recorded during the survey.

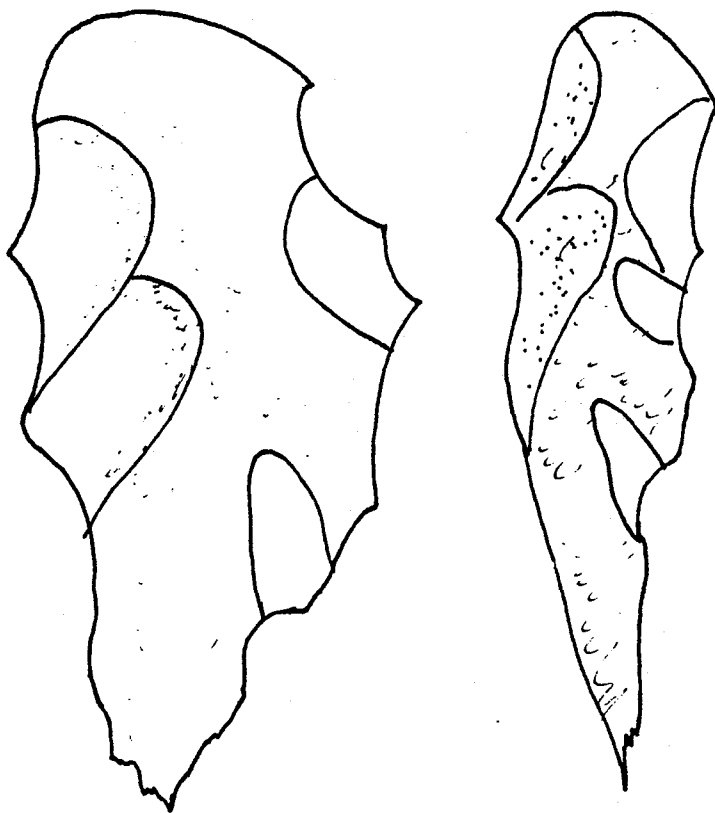
A number of isolated artifacts were observed or collected during the survey. A single corner notched projectile point (1395B/x1) was recovered by BLM archaeologist Blaine Phillips from near the well center stake of unit 14-12J during the initial reconnaissance of the well location. No other artifacts were noted at this location. At well unit 24-12J, an isolated exhausted core (1395G/x1) was observed on the ridge overlooking the well location. No other artifacts were noted in the vicinity. Two additional isolated artifacts were noted in the access road to unit 42-1. These finds consisted of two pieces of lithic debitage from a similar material source. Since both flakes were found in the bottom of an ephemeral drainage channel, and since no other artifacts could be located nearby, it is probably that these flakes are in a disturbed secondary context, having been transported to their present position by water action.

No paleontological loci were observed or recorded during the evaluations.

Isolated Artifact
1395B/x1



Isolated Artifact
1395G/x1

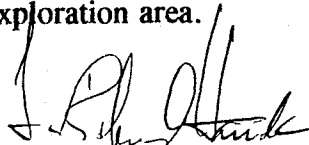


CONCLUSION AND RECOMMENDATIONS

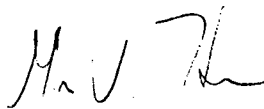
No known significant cultural or paleontological resources will be adversely impacted during the development and operation of the Balcron Oil Company well locations evaluated during this project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the developments proposed on these well locations based upon adherence to the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator



Glade V Hadden
Field Supervisor

REFERENCES

Hauck, F. Richard

- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.

Norman, V. Garth and F.R. Hauck

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. AERC Paper No. 18, of the Archeological-Environmental Research Corporation, Bountiful.



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

RECEIVED

SEP 29 1993

Office: (406) 259-7860

FAX: (406) 245-1365

FAX: (406) 245-1361



September 27, 1993

DIVISION OF
OIL, GAS & MINING

-- VIA FEDERAL EXPRESS --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

CONFIDENTIAL

Gentlemen:

RE: Paleontology Reports

Enclosed are Paleontology Reports for the following wellsites and access roads:

Balcron Monument Federal #12-12J	43-013-31410	Sec 12 T9S R16E
Balcron Monument Federal #14-12J	43-013-31411	Sec 12 T9S R16E
Balcron Monument Federal #14-15	43-013-31381	Sec 15 T9S R16E
Balcron Monument Federal #21-12J	43-013-31406	Sec 12 T9S R16E
Balcron Monument Federal #24-12J	43-013-31409	Sec 12 T9S R16E
Balcron Monument Federal #31-7J	43-013-31405	Sec 7 T9S R17E
Balcron Monument Federal #42-1J	43-013-31404	Sec 1 T9S R16E
Balcron Federal #24-4Y	43-013-31412	Sec 4 T9S R16E

Also enclosed are the Monitoring Reports submitted by the paleontologist for the following wellsites:

Balcron Federal #21-9Y	43-013-31396	Sec 9 T9S R16E
Balcron Monument Federal #13-5	43-047-32261	Sec 5 T8S R25E

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

BALCRON OIL

Balcron Monument Butte Federal #21-12J

NE NW Section 12, T9S, R16E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078

SEPTEMBER 12, 1993

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #21-12

Description of Geology and Topography-

This location is about 10 miles south of Myton, Utah. It sits about 1/2 mile north of Castle Peak Draw, on the south side of a small canyon which runs east-northeast about 1 mile before entering Castle Peak Draw. Valleys and ridges are somewhat rounded.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains.

Rocks in the immediate area of the proposed access road and wellpad are composed of interbedded mudstone, and sandstone. These rocks represent fluvial (stream) deposits with sandstone lenses representing stream channels in the Uinta Formation.

Paleontological material found -

There is a mudstone layer which the proposed access road follows from approximately the center of the NE1/4, NE1/4, NW1/4 of section 12 to the wellpad. This layer continues across the south side of the wellpad and beyond. It seems to be producing fragments of weathered fossil turtle shell in places.

There are fragments of a turtle weathering out of this layer 15 yards north 80 degrees west of corner #6, off the wellpad. Several 1/4 to 1/2 inch thick pieces of turtle shell were seen weathering out of the same layer in the area of the proposed pit. There also a few scattered pieces of turtle shell in the immediate area of the center stake. These appear to have washed out of the slope south and southeast of the center stake. Much of the turtle shell fragments found seem to have been weather prior to deposition and fossilization.

Recommendations-

Most of the turtle shell fragments found are in poor condition and, while important as an indicator of the presence of fossil material, are probably not a collectable specimens. This fossil layer will be recorded as a fossil turtle locality. I am not recommending that the material be collected or that the site be monitored. There is some possibility that other fossil material may be encountered during construction. If significant looking fossil bone material is discovered during construction, it should be evaluated by a paleontologist. I would also recommend that disturbed and excavated material be looked at after construction to see if any other fossil material is present.

Robert A. Hamblin
Paleontologist

Date September 13, 1993

PALEONTOLOGY LOCALITY Data Sheet						Page 1 of 2 plus map									
						State Local. No. 42 DC 133V									
						Agency No.									
						Temp. No BALCRON MONUMENT BUTTE FEDERAL #21-12 Wellpad & road									
1. Type of locality Invertebrate				Plant				Vertebrate		X	Trace		Other _____		
2. Formation: UINTA				Horizon: "B"				Geologic Age: Late Eocene							
3. Description of Geology and Topography: The location sits 1/2 mile north of Castle Peak Draw, on the south side of a small canyon which runs east-northeast about 1 mile before entering Castle Peak Draw. Valleys and ridges are somewhat rounded. All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains. Rocks in the immediate area of the proposed access road and wellpad are composed of interbedded mudstone, and sandstone. These rocks represent fluvial (stream) deposits with sandstone lenses representing stream channels in the Uinta Formation.															
4. Location of Outcrop: 10 miles south of Myton, Utah.															
5. Map Ref.		USGS Quad		Myton SE, Utah				Scale		7.5 Min		Edition		1964	
Center	of	NE1/4	of	NW1/4	of Sectn	12	T	9 S	R	16E	Meridn	SLB			
6. State: UTAH			County: DUCHESNE COUNTY				BLM/FS District: VERNAL- DIAMOND MT.								
7. Specimens Collected and Field Accession No. NONE															
8. Repository:															
9. Specimens Observed and Disposition: There is a mudstone layer which the proposed access road follows from approximately the center of the NE1/4, NE1/4, NW1/4 of section 12 to the wellpad. This layer continues across the south side of the wellpad and beyond. It seems to be producing fragments of weathered fossil turtle shell in places. There are fragments of a turtle weathering out of this layer 15 yards north 80 degrees west of corner #8, off the wellpad. Several 1/4 to 1/2 inch thick pieces of turtle shell were seen weathering out of the same layer in the area of the proposed pit. There also a few scattered pieces of turtle shell in the immediate area of the center stake. These appear to have washed out of the slope south and southeast of the center stake. Much of the turtle shell fragments found seem to have been weather prior to deposition and fossilization.															
10.Owner: Private		State		BLM		X	US FS	NPS	IND	MIL	OTHR				

11.Recommendations for Further Work or Mitigation: Most of the turtle shell fragments found are in poor condition and, while important as an indicator of the presence of fossil material, are probably not a collectable specimens. This fossil layer will be recorded as a fossil turtle locality. I am not recommending that the material be collected or that the site be monitored. There is some possibility that other fossil material may be encountered during construction. If significant looking fossil bone material is discovered during construction, it should be evaluated by a paleontologist. I would also recommend that disturbed and excavated material be looked at after construction to see if any other fossil material is present.

12.Type of Map Made by Recorder:

13.Disposition of Photo Negatives:

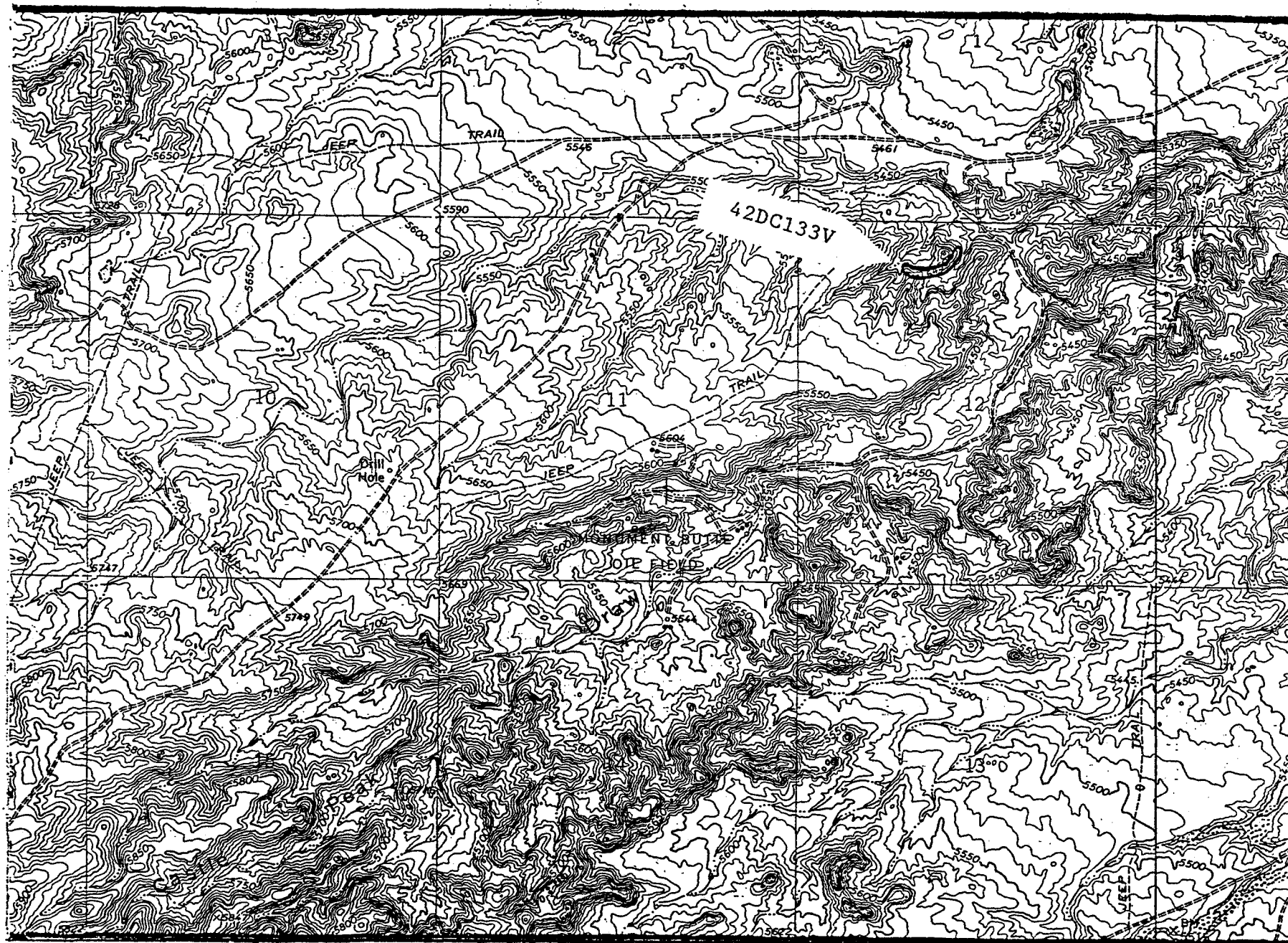
14.Published References: Hamblin, A. H., 1992, Paleontology Report on the Monument Butte EA Study Area, for Mariah Associates, Laramie, Wyoming.

15.Remarks:

16.Sensitivity:	Critical		Significant		Important	X	Insignificant	
------------------------	----------	--	-------------	--	-----------	---	---------------	--

17.Recorded by: Alden Hamblin,
Paleontologist

Date: September 3, 1993



42DC133V

BALCLUTHA MONUMENT BUTTE FEDERAL #21-12
NE NW SEC. 12, T9S, R16E, SLB&M MYTON SE, UTAH QUAD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

NE NW Sec. 12, T9S, R16E

661.4' FNL, 1779.8' FWL

At proposed prod. zone

43-013-31406

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 16 miles SW of Myton, Utah

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

18. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6,000' 5,800'

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,448.9' GL

22. APPROX. DATE WORK WILL START*

Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See drilling	program/casing	design		

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM
"B" PROPOSED SURFACE USE PROGRAM
"C" GEOLOGIC PROGNOSIS
"D" DRILLING PROGRAM/CASING DESIGN
"E" EVIDENCE OF BOND COVERAGE
"F" SURVEY PLAT

"G" RIG LAYOUT
"H" BOPE DIAGRAM
"I" EXISTING ROADS (Map A)
"J" PLANNED ACCESS (Map B)
"K" EXISTING WELLS (Map C)
"L" SURFACE WELL DIAGRAM

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OIL, GAS & MINING
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AUG 23 1993

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Please note the change in well #. This should be the #12-12J.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Bobbie Schuman Coordinator of Environmental
and Regulatory Affairs
SIGNED Bobbie Schuman TITLE and Regulatory Affairs DATE 8/20/93
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

GREENWICH BROWN
FOREST SERVICE

DATE

SEP 28 1993

CONDITIONS OF APPROVAL, IF ANY.

NOTICE OF APPROVAL

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UT-080-3M-084

WELL LOCATION INFORMATION

Company/Operator Equitable Resources Energy Co.
API Number 43-013-31406
Well Name & Number Balcron Monument Federal No. 21-12J
Lease Number U-096550
Location NENW Sec. 12 T. 9S. R. 16E.
Surface Ownership BLM
Date NOS Received July 23, 1993
Date APD Received August 23, 1993

NOTIFICATION REQUIREMENTS

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL

Water will be applied to new/existing roads for dust abatement as needed. Where new or existing roads become damaged from the operators use, the operator will apply water/gravel to keep the roads from blowing or washing away.

The plastic liner will have sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

Two existing silt dams east of location will be cleaned and material placed on dam.

Prior to reclaiming of any disturbed areas, the operator will contact the Authorized Officer of the BLM to determine the most desirable site specific seed mixture for reclamation.

Seeding will be done between September 15 and when the ground freezes, unless otherwise approved by the AO.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 24-48 hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Equitable Resources Energy Company Well No. Balcron Federal 21-12J

Location NENW Section 12, T9S, R16E Lease No. U - 096550

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at \pm 1,793 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to \pm 1,593 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka	(801) 781-1190
Petroleum Engineer	

Ed Forsman	(801) 789-7077
Petroleum Engineer	

BLM FAX Machine	(801) 789-3634
-----------------	----------------

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 21-12J

API NO. 43-013-31406

Section 12 Township 9S Range 16E County DUCHESNE

Drilling Contractor

Rig #

SPUDDED: Date 10/25/93

Time

How DRY HOLE

Drilling will commence

Reported by AL PLUNKETT

Telephone # 1-823-6759

Date 10/26/93 SIGNED JLT

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Company
Balcron Oil Division

ADDRESS P.O. Box 21017
Billings, MT 59104
(406) 259-7860

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11573	43-013-31406	Balcron Monument Federal #21-12J	NE NW	12	9S	17E	Duchesne	10-25-93	10-25-93
WELL 1 COMMENTS: <i>Entity added 10-29-93. p</i> <i>Spud of a new well. fce</i> <i>16E</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

RECEIVED

OCT 26 1993

DIVISION OF
OIL, GAS & MINING

Molly Conrad
Signature
Operations Secretary
Title
Date 10-26-93
Phone No. 406 , 259-7860

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NW Section 12, T9S, R16E

661.4' ENL, 1779.8' FWL

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcon Monument Federal #21-12J

9. API Well No.

43-013-31406

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Water Source
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator's water source will be from an approved source in Section 15, T4S, R2W from a well permitted by Joe Shields under permit #57708. A copy of that permit is attached to this sundry. The water will be trucked by Jim Nebeker Trucking out of Roosevelt, Utah.

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OCT 28 1993

DIVISION OF

OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Robbie Schuman

Title

Coordinator of Environmental and
Regulatory Affairs

Date October 21, 1993

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jorah Unit

8. Well Name and No.

Balcron Monument Federal #21-12J

9. API Well No.

43-013-31406

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

661.4' FNL, 1779.8' FWL Section 12, T9S, R16E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Spud of well.
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was spud on 10-25-93 at 9:45 a.m. by Leon Ross Drilling.

RECEIVED

OCT 28 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Title Operations Manager

Date October 26, 1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Balcron Oil

DAILY OPERATING REPORT

DATE: 11/16/93

****JONAH UNIT PARTNERS' DAILY REPORT****BALCRON MONUMENT FEDERAL #21-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NW Section 12, T9S, R16E
Duchesne County, UtahProspect: Jonah Unit / Monument Butte
PTD: 5800' Green River Oil - Dev.

---TIGHT HOLE---

10-10/21-93 Work on & finish location.

10-25-93 MIRU Leon Ross Air Drilling & spud @ 9:45 a.m. Drill 270' hole.

10-26-93 Run 6 jts 8-5/8" csg & cmt as follows:

Guide Shoe .65'

1 jt 8-5/8" shoe jt 44.90'

Insert Float -----

5 jts 8-5/8" J-55 24# 224.86'

Set @ 268' GL.

Cmt w/150 sxs Class "G" w/2% CCK & 1/4#/sx celoflake. 5 bbls cmt
back to pit. Plug down @ 1 p.m. 10-26-93.

DC: \$10,575

CC: \$30,618

11-15-93 Present Operation: NU

RD, MI mud, RU. Did not break tower. Had to get blade to fix road
& help winch trucks.

DC: \$1,200

CC: \$31,818

11-16-93 TD: 1,001' (723') Day 1

Formation: Uintah

MW 8.3 VIS 26

Present Operation: Drilling

NU BOP. Test BOP & manifold to 2000# - OK. Test surface pipe to
1500# - OK. Cut drill line, drill cmt, survey, change air head
rubber, drill, & survey.

DC: \$10,538

CC: \$42,356

BALCRON MONUMENT FEDERAL #12-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-15-93 Completion

TIH w/4-3/4" bit, 5-1/2" scraper & 176 jts 2-7/8" tbg, EUE J-55 8rd
6.5#. Tag PBD @ 5727' KB. Circ well w/125 bbls of 2% KCL wtr.
TOOH w/tbg & BHA. RU Schlumberger to perf 5024'-33' (4 holes),
5225'-29' (4 holes), & 5237'-44' (7 holes). RD Schlumberger. TIH
w/RBP, retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 163
ts 2-7/8" tbg, set BP @ 5064' KB, set packer @ 4962' KB, EOT @
5003' KB. RU Western to do KCL break down refer to treatment
report. No break, packer started leaking. Run standing valve to
test tbg to 4000 psi - OK. Fish standing valve. SWIFN.

DC: \$27,604

Page 1 of 3

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/17/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #21-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

PTD: 5800' Green River Oil - Dev.

---TIGHT HOLE---

11-17-93 TD: 2,550' (1,549') Day 2
Formation: Green River
MW 8.3 VIS 26
Present Operation: Drilling
Drill, survey, & repair flow line.
DC: \$20,126 CC: \$62,482

BALCRON MONUMENT FEDERAL #12-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-16-93 Completion
CP - 0, TP - 0. TOOH w/tbg, packer & retrieving tool. RU Cutters
to perf 5029'-33' (2 SPF). RD Cutters. TIH w/retrieving tool, HD
packer, SN & 161 jts 2-7/8" tbg. Set packer @ 4984' KB, EOT @
5003'. RU Western to do HCL break down on perfs 4029-33'. Spot
500 gals 15% HCL @ EOT, set packer refer to treatment report.
Pressure test surface equipment to 5000 psi - OK. Could not pump
into perfs at 4000 psi, lower EOT to reset BP @ 5260' & set packer
@ 5189' & EOT @ 5220'. Start break down - no break. Release
packer set end of tbg @ 5241'. SWIFN.
DC: \$8,919

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OIL, GAS & MINING

Page 1 of 3

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/18/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #21-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NW Section 12, T9S, R16E
Duchesne County, UtahProspect: Jonah Unit / Monument Butte
PTD: 5800' Green River Oil - Dev.

---TIGHT HOLE---

11-18-93 TD: 3,600' (1,050') Day 3

Formation: Green River

MW 8.3 VIS 26

Present Operation: Drilling

Drill, survey, replace hammer handle & clean on rig.

DC: \$14,743

CC: \$77,225

BALCRON MONUMENT FEDERAL #12-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SW NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-17-93 Completion

CP - 10 psi, TP - 0. RU Western to acid break down on 5225'-5244'.
Safety mtg, pressure test surface equipment to 5000 psi - OK. Spot
acid on perf, pull up & set packer @ 5189', EOT @ 5220', start
break down - no break. Reset packer @ 5157' EOT @ 5189', break
down. Refer to treatment report. TOOH w/tbg & packer. RU Western
to frac. Start frac refer to treatment report.
DC: \$26,420

Page 1 of 2

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/22/93

****JONAH UNIT PARTNERS' DAILY REPORT******BALCRON MONUMENT FEDERAL #21-12J**

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

11-20-93 TD: 5,400' (962') Day 5

Formation: Red Zone

MW 8.4 VIS 26

Present Operation: Drilling

Drill, survey, & clean on rig.

DC: \$12,883

CC: \$101,580

11-21-93 TD: 5,800' (400') Day 6

Formation: Green River

MW 8.3 VIS 26

Present Operation: LD logging tools.

Drill, blow hole, load hole w/fluid & circ, TOH for logs. Logging,
LD logging tools.

DC: \$18,167

CC: \$119,747

11-22-93 TD: 5,800' (0') Day 7

Formation: Green River

Present Operation: Plug Well.

RD loggers, LD drill collars, TIH w/drill pipe. Circ & WO cmt
trucks. Spot btm plug & wait 5-1/2 hrs. Tag @ 4770'. Plug #2 -
OK, plug #3 - OK, plug #4 - OK. Plugging orders from Ed Forsman @
10:30 p.m.. BLM representative on location Bill Owens.

DC: \$5,650

CC: \$125,397

BALCRON MONUMENT FEDERAL #32-15

Operator: Balcron/EREC

BOD WI: 79.78%

Location: SW NE Section 15, T9S, R16E
Duchesne County, Utah

Prospect: Monument Butte

---TIGHT HOLE---

11-20-93 Completion

Surface equipment hook up & start unit. Start pumping 3:00 p.m.,
stroke length 72", SPM - 3.

DC: \$4,629

Balcron Oil
DAILY OPERATING REPORT

DATE: 11/23/93

****JONAH UNIT PARTNERS' REPORT****

BALCRON MONUMENT FEDERAL #21-12J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: NE NW Section 12, T9S, R16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

11-23-93 Present Operation: Well plugged.

Finish plugging well, cmt plug 0-50' @ surface. ND BOP, clean mud tank & rig down. Last plug down @ 6:30 a.m. 11-22-93, release rig 10:30 a.m. 11-22-93.

DC: \$9,862

CC: \$135,259

BALCRON MONUMENT FEDERAL #42-1J

Operator: EREC/Balcron

BOD WI: 79.78%

Location: SE NE Section 1, T9S, 16E
Duchesne County, Utah

Prospect: Jonah Unit / Monument Butte

---TIGHT HOLE---

11-22-93 Completion

RU Schlumberger to perf 5081'-86' (1 SPF) & 5292'-96 (2 SPF). TIH w/5-1/2" RBP, retrieving head, 1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 163 jts 2-7/8" tbg, set BP @ 5110' KB, set packer 5026' KB. RU Western to do KCL break down on perfs 5081'-86' (5 holes) refer to treatment report. Pressure test surface equipment to 5800 psi - OK. Move BP to 5341' KB & set packer 5242' KB. Pressure up to 4000 psi - no break. RU acid tankre spot 500 gals 15% HCL on perfs, pull up & set packer @ 5142' KB. Start pumping acid refer to treatment report. SWIFN.

DC: \$11,463

KTECH

GEOLOGY, MUD LOGGING CONSULTING

November 20, 1993

Steve VanDelinder
Balcron Oil
P.O. Box 21017
Billings, MT 59104

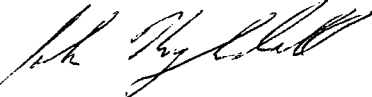
Mr. VanDelinder:

Enclosed is the final log for your BALCRON MONUMENT FEDERAL #21-12(J) well, located in Section 12, T19S, R16E of Duchesne Co., Utah.

I appreciated the opportunity to serve you. If I can be of any further assistance in the final evaluation of the Green River sands encountered, please feel free to call me.

It would be a pleasure to work with you in the future.

Respectfully



John Kuykendall

DEVIATION SURVEYS

WELL NAME BALCRON MONUMENT FEDERAL #21-12(J)

ELEVATION 5449' GL (ung) - 5459' KB

COMPANY BALCRON OIL

SECTION 12, T9S, R16E

CONTRACTOR UNION DRLG. INC. #17

LOCATION DUCHESNE COUNTY, UTAH

SPUD DATE 11/15/93

TD DATE 11/20/93

[illegible]

BIT RECORD

WELL NAME BALCRON MONUMENT FEDERAL #21-12(J)

ELEVATION 5449' GL (ung) - 5459' KB

COMPANY BALCRON OIL

SECTION 12, T9S, R16E

CONTRACTOR UNION DRLG. INC. #17

LOCATION DUCHESNE COUNTY, UTAH

SPUD DATE 11/15/93

TD DATE 11/20/93

[illegible]



KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #21-12(J)

LOCATION 661' FNL, 1780' FWL, (NE/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 1 FORMATION GREEN RIVER

INTERVAL: FROM 2922' TO 2993'

DRILL RATE: ABV .6 MIN/FT THRU 1.1-2 MIN/FT BELOW .8 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	2	5	1				
DURING	5	8	1				
AFTER	2	5	1				

TYPE GAS INCREASE: GRADUAL ☒ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒

GAS VARIATION WITHIN ZONE: STEADY ☐ ERRATIC ☐ INCREASING ☒ DECREASING ☐

FLUO: MINERAL ☐ NONE ☒ POOR ☐ FAIR ☐ GOOD ☐ EVEN ☐ SPOTTY ☐

FLUO COLOR: _____ % IN SHOW LITHOLOGY _____

CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☐ GOOD ☒ STREAMING: SLOW ☐ MOD ☐ FAST ☒

CUT COLOR: YEL

STAIN: NONE ☐ POOR ☐ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☐ DK ☒

POROSITY: POOR ☐ FAIR ☐ GOOD ☒ KIND INTERSTITIAL

LITHOLOGY SS Qtz, clas, wh, frm-hd, sl fri, f-mgr, sbang-sbrnd, m srted, occ sh clas

SAMPLE QUALITY GOOD

REMARKS GOOD POROSITY, ABNT OIL STN, NO FLO, GOOD FAST STRM CUT, SLIGHT GAS INCREASE, THICK ZONE.

NOTIFIED STVE VANDELINDER @ 08:00 HRS. DATE 11/18/93

ZONE DESCRIBED BY ZEKE CARTER



KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #21-12(J)

LOCATION 661' FNL, 1780' FWL, (NE/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH,

ZONE OF INTEREST 2 FORMATION GREEN RIVER

INTERVAL: FROM 3605' TO 3620'

DRILL RATE: ABV 1.5 MIN/FT THRU .7 MIN/FT BELOW 1.1 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	4	10	1	TR			
DURING	6	15	3	1			
AFTER	3	9	1	TR			

TYPE GAS INCREASE: GRADUAL ☒ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒

GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☐ DECREASING ☐

FLUO: MINERAL ☐ NONE ☐ POOR ☒ FAIR ☐ GOOD ☐ EVEN ☐ SPOTTY ☒

FLUO COLOR: DULL YEL % IN SHOW LITHOLOGY 100%

CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☐ GOOD ☒ STREAMING: SLOW ☐ MOD ☐ FAST ☒

CUT COLOR: YEL

STAIN: NONE ☐ POOR ☒ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☒ DK ☐

POROSITY: POOR ☐ FAIR ☐ GOOD ☒ KIND INTERGRANULAR

LITHOLOGY SS clr, ltgy, tr lbtrn oil stn, f-mgr, sbrnd-rnd, calc, fri & uncon

SAMPLE QUALITY GOOD

REMARKS VDULL YEL FLO, GOOD FAST STRM CUT, SPOTTY OIL STN

NOTIFIED STEVE VANDELINDER @ 08:00 HRS. DATE 11/19/93

ZONE DESCRIBED BY JOHN KUYKENDALL

KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #21-12(J)

LOCATION 661' FNL, 1780' FWL, (NE/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 3 **FORMATION** GREEN RIVER

INTERVAL: FROM 3964' **TO** 3976'

DRILL RATE: ABV 1.0 MIN/FT **THRU** 1.5 MIN/FT **BELOW** 1.0 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	8	12	1	1	1		
DURING	9	15	1	1	1		
AFTER	6	12	1	1	1		

TYPE GAS INCREASE: GRADUAL ☒ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒

GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☒ DECREASING ☐

FLUO: MINERAL ☐ NONE ☐ POOR ☐ FAIR ☐ GOOD ☒ EVEN ☒ SPOTTY ☐

FLUO COLOR: YEL **% IN SHOW LITHOLOGY** 70%

CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☐ GOOD ☒ **STREAMING:** SLOW ☐ MOD ☐ FAST ☒

CUT COLOR: GN YEL

STAIN: NONE ☐ POOR ☐ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☒ SPOTTY ☐ LT ☐ DK ☒

POROSITY: POOR ☐ FAIR ☒ GOOD ☒ KIND INTERSTITIAL

LITHOLOGY SS qtz,clr-ltgy,frm,sl fri,vfgr,ang-sbang,m-wsrtd,fair-good porosity

SAMPLE QUALITY GOOD

REMARKS ABNT YEL FLO, GOOD FAST STRM CUT DRY, NONE WET, SLIGHT GAS INCREASE, 12 FEET THICK.

NOTIFIED STEVE VANDELINDER @ 08:00 **HRS. DATE** 11/19/93

ZONE DESCRIBED BY ZEKE CARTER

KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #21-12(J)

LOCATION 661' FNL, 1780' FWL, (NE/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 4 **FORMATION** GREEN RIVER

INTERVAL: FROM 4420' **TO** 4458'

DRILL RATE: ABV 1.9 MIN/FT THRU .5 - 1.0 MIN/FT BELOW 1.2 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	6	10	2	1	tr		
DURING	7	12	3	1	tr		
AFTER	6	10	2	1	tr		

TYPE GAS INCREASE: GRADUAL ☒ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒

GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☐ DECREASING ☐

FLUO: MINERAL ☐ NONE ☐ POOR ☒ FAIR ☐ GOOD ☐ EVEN ☒ SPOTTY ☐

FLUO COLOR: VDULL YEL **% IN SHOW LITHOLOGY** 90%

CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☐ GOOD ☒ **STREAMING:** SLOW ☐ MOD ☐ FAST ☒

CUT COLOR: YEL

STAIN: NONE ☐ POOR ☒ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☒ DK ☐

POROSITY: POOR ☐ FAIR ☒ GOOD ☐ KIND INTERGRANULAR

LITHOLOGY SS ltgy,clr,sl qlsy,vf-fgr,sbang-rnd,calc,fri-frn

SAMPLE QUALITY GOOD

REMARKS 90% VDULL YEL FLO. GOOD FAST STRM CUT DRY. RELATED GAS INCREASE FROM 4482' TO 4492';

6u-15u-11u: .9 MIN/FT-.5 MIN/FT-2.3 MIN/FT.

NOTIFIED STEVE VANDELINDER @ 08:00 HRS. DATE 11/19/93

ZONE DESCRIBED BY _____ JOHN KUYKENDALL

KTECH

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OIL

WELL NO. BALCRON MONUMENT FEDERAL #21-12(J)

LOCATION 661' FNL, 1780' FWL, (NE/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.

ZONE OF INTEREST 5 **FORMATION** GREEN RIVER

INTERVAL: FROM 4857' TO 4890'

DRILL RATE: ABV 1.3 MIN/FT THRU .7 MIN/FT BELOW 1.1 MIN/FT

MUD GAS-CHROMATOGRAPH

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	8	13	2	1	tr		
DURING	8	13	2	1	tr		
AFTER	8	13	2	1	tr		

TYPE GAS INCREASE: GRADUAL ☐ SHARP ☐ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒

GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☐ DECREASING ☐

FLUO: MINERAL ☐ NONE ☒ POOR ☒ FAIR ☐ GOOD ☐ EVEN ☒ SPOTTY ☐

FLUO COLOR: VDULL YEL IP **% IN SHOW LITHOLOGY** 70%

CUT: NONE ☐ CRUSH ☐ POOR ☒ FAIR ☐ GOOD ☐ **STREAMING:** SLOW ☐ MOD ☐ FAST ☒

CUT COLOR: YEL

STAIN: NONE ☐ POOR ☒ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☒ SPOTTY ☐ LT ☒ DK ☐

POROSITY: POOR ☒ FAIR ☐ GOOD ☐ KIND INTERGRANULAR

LITHOLOGY SS atz.lt-may.wh.frm.sl fri.vfgr-sltst.ang-sbang.m-wsrt

SAMPLE QUALITY GOOD

REMARKS NO FLO - VLTBRN STN, POOR FAST STRM CUT

NOTIFIED STEVE VANDELINDER @ 06:30 HRS. DATE 11/20/93

ZONE DESCRIBED BY JOHN KUYKENDALL

**KTECH**

WELL SITE GEOLOGY - MUD LOGGING

2913 HERMOSA CT., GRAND JUNCTION, COLORADO 81504

MAILING ADDRESS: P.O. BOX 590, CLIFTON, COLORADO 81520 • (303) 241-9351

COMPANY BALCRON OILWELL NO. BALCRON MONUMENT FEDERAL #21-12(J)LOCATION 661' FNL, 1780' FWL, (NE/NW), SECTION 12, T9S, R16E, DUCHESNE Co., UTAH.ZONE OF INTEREST 6 FORMATION GREEN RIVERINTERVAL: FROM 5632' TO 5638'DRILL RATE: ABV 1 MIN/FT THRU .6 MIN/FT BELOW 1.3 MIN/FT**MUD GAS-CHROMATOGRAPH**

	TOTAL	C1	C2	C3	C4	C5	OTHER
BEFORE	11	14	2	1	tr		
DURING	45	50	15	9	6		
AFTER	12	15	2	1	tr		

TYPE GAS INCREASE: GRADUAL ☐ SHARP ☒ HOLE CONDITIONS: WASHED ☐ FAIR ☐ IN GUAGE ☒GAS VARIATION WITHIN ZONE: STEADY ☒ ERRATIC ☐ INCREASING ☐ DECREASING ☐FLUO: MINERAL ☐ NONE ☐ POOR ☒ FAIR ☐ GOOD ☐ EVEN ☐ SPOTTY ☐FLUO COLOR: VDULL YEL % IN SHOW LITHOLOGY 70%CUT: NONE ☐ CRUSH ☐ POOR ☐ FAIR ☐ GOOD ☒ STREAMING: SLOW ☐ MOD ☐ FAST ☒CUT COLOR: YELSTAIN: NONE ☐ POOR ☒ FAIR ☐ LIVE ☒ DEAD ☐ RESIDUE ☐ EVEN ☐ SPOTTY ☒ LT ☐ DK ☒POROSITY: POOR ☐ FAIR ☐ GOOD ☒ KIND INTERGRANULARLITHOLOGY SS clr,ltgy,vf-fgr,ang-sbrnd,uncon & calc,fri SAMPLE QUALITY GOODREMARKS MBRN SPOTTY STN, VDULL YEL FLO, GOOD FAST STRM CUT IPNOTIFIED STEVE VANDELINDER @ 08:00 HRS. DATE 11/21/93ZONE DESCRIBED BY JOHN KUYKENDALL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Monument Federal #21-12J

9. API Well No.

43-013-31406

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NW Section 12, T9S, R16E

661.4' ENL, 1779.8' FWL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator plans to plug and abandon this well as follows:

Plug	Interval	Sacks of Cement
#1	5088'-4888'	91 Class "G" + additives
#2	3133'-2783'	146 Class "G" + additives
#3	1768'-1568'	70 Class "G" + additives
#4	341'-241'	40 Class "G" + additives
#5	Surface 0'-50'	20 Class "G" + additives

NOV 26 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Debbie Schuman

Title

Coordinator of Environmental and
Regulatory Affairs

Date 11-23-93

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

ENTITY ACTION FORM - FORM 6

OPERATOR EQUITABLE/BALCRON

OPERATOR ACCT. NO. N 9890

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
C	11532	11492	43-013-31368	MONUMENT FED 32-15	SWNE	15	9S	16E	DUCHESNE	10-2-93	
WELL 1 COMMENTS: *JONAH UNIT											
C	11520	11492	43-013-31385	MONUMENT FED 14-5	SWSW	5	9S	17E	DUCHESNE	9-9-93	
WELL 2 COMMENTS: *JONAH UNIT											
C	11573	11492	43-013-31406	MONUMENT FED 21-12J	NENW	12	9S	16E	DUCHESNE	10-25-93	
WELL 3 COMMENTS: *JONAH UNIT											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

Title

12-8-93

Date

Phone No. ()

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE NW Section 12, T9S, R16E

661.4' ENL, 1779.8' FWL

5. Lease Designation and Serial No.

U-096550

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcon Monument Federal #21-12J

9. API Well No.

43-013-31406

10. Field and Pool, or Exploratory Area

Monument Butte / Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Operator plugged and abandoned this well as follows:

Plug	Interval	Sacks of Cement
#1	5088'-4888'	91 Class "G" + additives
#2	3133'-2783'	146 Class "G" + additives
#3	1768'-1568'	70 Class "G" + additives
#4	341'-241'	40 Class "G" + additives
#5	Surface 0'-50'	20 Class "G" + additives

NOV 26 1993
DIVISION OF
OIL, GAS & MINING

Plugging orders from Ed Forsman @ 10:30 11-22-93. BLM representative on location - Bill Owens.

Rig was released at 10:30 a.m. 11/22/93.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title

Coordinator of Environmental and
Regulatory Affairs

Date 11-23-93

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

1. Well name and number: Balcron Monument Federal #21-12
 API number: 43-013-31406
2. Well location: QQ NE NW section 12 township 9S range 16E county Duchesne
3. Well operator: Equitable REsources Energy Company, Balcron Oil Division
 Address: P.O. Box 21017 phone: (406) 259-7860
Billings, MT 59104
4. Drilling contractor: Union Drilling
 Address: Drawer 40 phone: (304) 472-4610
Buckhannon, WV 26201

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No measurable water reported during Drilling operations.	

6. Formation tops: See Geologic Report submitted separately.

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman
 Title Coordinator of Environmental and
Regulatory Affairs

Signature Bobbie Schuman Date 12-13-93

Comments:

RECEIVED
 DEC 16 1993
 DIVISION OF
 OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____

b. TYPE OF COMPLETION:
NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

CONFIDENTIAL

2. NAME OF OPERATOR
Equitable Resources Energy Company, Balcon Oil Division

3. ADDRESS OF OPERATOR
P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 661.4' ENL, 1779.8' FWL

At top prod. interval reported below

At total depth

5. LEASE DESIGNATION AND SERIAL NO.

U-096550

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

Jonah Unit

8. FARM OR LEASE NAME

Balcon Monument Federal

9. WELL NO.

#21-12

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

NE NW Section 12, T9S, R16E

14. PERMIT NO.

43-013-31406

DATE ISSUED

8-25-93

12. COUNTY OR PARISH

Duchesne

13. STATE

UTAH

15. DATE SPUDDED

10-25-93

16. DATE T.D. REACHED

11-23-93

17. DATE COMPL. (Ready to prod.)

n/a

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5448.9' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5,800'

21. PLUG, BACK T.D., MD & TVD

n/a

22. IF MULTIPLE COMPL., HOW MANY*

n/a

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

sfc - TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

n/a

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 12-21-93

MUD LOG, SPECTRAL DENSITY DUAL SPACED NEUTRON, DUAL LATERAL LOG

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	268'	12-1/4"	150 sxs "G" + additives	n/a

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
n/a				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a		

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
n/a							P & A	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
			→					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Bobbie Schuman

TITLE Coordinator of Environmental and Regulatory Affairs

DATE 12-13-93

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

DESCRIPTION, CONTENTS, ETC.			
FORMATION	TOP	BOTTOM	
<p>No DST's Run.</p> <p>See Geologic Report submitted separately.</p>			
NAME			TOP
			MEAS. DEPTH
			TRUE VERT. DEPTH

38. GEOLOGIC MARKERS

RECEIVED

DEC 1 6 1993

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